

Scanned by a G3 Facsimile Machine or Optical Scanner or Screen Capture Methods (B)

Connected to The Inventions Adjunct Device or PC Card: (C)
For a Fax Machine and via Fax Modem and Circuitry that Generates Central Office Dial Tone or by Standard Auxillary Port Means-to Include USB or by Wireless Means-to include Infrared

Connected to A Packet Switched Network via Data Modem; to include Cable, Cellular and Satellite -Resident or Remote; and Standard RJ 11 Phone Line Connector or RJ 45 LAN Connector or Cable Connector or CDMA/TDMA Cellular Connection or Satellite Up Link/ Down Link Connection (D)

Receive Images Generated by the Fax Machine or Optical Scanner or Screen Capture Method (E)

Store Images in Memory Buffer(s) (F)

Invoke Hardware and Software process to Remove Inferior CODEC's or OCR scan codes Restoring images to Native Scanned Image State (G)

Store Native Image Data In Memory Buffer(s) (H)

Compress Native Image Data with Multi Dimensional CODEC's Resident in Eproms and ASIC. Specific CODEC's to include but are not limited to: LZW-TIFF & TIFF-FX, JPEG & JPEG, 2000, MPG, Streaming Media, Harmonic Matrix Multiplication, (I)

Store in Memory Buffer(s) (J)

Obtain Unique Electronic e-mail or IP Destination Address and public or secret encryption key for Intended Recipient from address table and key ting resident in flash memory or remotely from a data base and remote key server (K)

Associate Phone Number Dialed By The Fax Machine or Other Remote Device with the e-mail or IP destination address or if null Confirm destination address via device per (K) or PC keyboard

Store in Memory Buffer(s) (N)

If encryption is selected by user or by default, encrypt stored buffer of newly compressed image data with encryption algorithm(s) stored in EPROM and/or resident in ASIC to include but not limited to S-MIME, S HTTP, SXML, SET, Rijndael, PGP, DES Vernam ciphers and RSA. Additionally the multi dimesional codecs of the harmonic matrix multiplication compression schemes available in this invention can be adapted to perform non-recoverable-disappearing key encryption. (O)

Store in Memory Buffer(s) (P)

Invoke message encapsulation protocols stored in EPROM(s), to include but not limited to IP, TCP, UDP,SMTP, POP3, MIME & extended MIME message types, IMAP, HTML and XML and encapsulate entire previous memory buffer(s) within appropriate protocol stacks. (Q)

Store in Memory Buffer(s) (R)

Obtain users device, terrestrial location coordinates and/or biometrics from the device hardware and software. Hash the information to create a reflective non original information data map. (S)

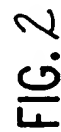
Store hashed information in Memory Buffer(s) (T)

Generate message headers in accordance with selected protocols and may include non-standard x headers to identify specific transport, identity and receipt verification processes and other routing and sending/ reception requirements. (U)

Send entire now completed processed contents of the previous buffer(s) to intended recipient utilizing appropriate-protocols over any terrestrial or satellite communication network. Retain entire contents of memory buffer(s) and message headers for a specified period of time. Entire or partial memory buffer(s) contents may be permantly archived, on premise or remotely, utilizing standard achieving media and processes. (U)

The reception process is the direct inverse of the sending process above for a stand alone G3 facsimile machine and in the reception mode (A) above may include direct printers/plotters or any other message media rendering equipment, for example 3 dimensional mold making machines.

Figure 1



09877238.051101

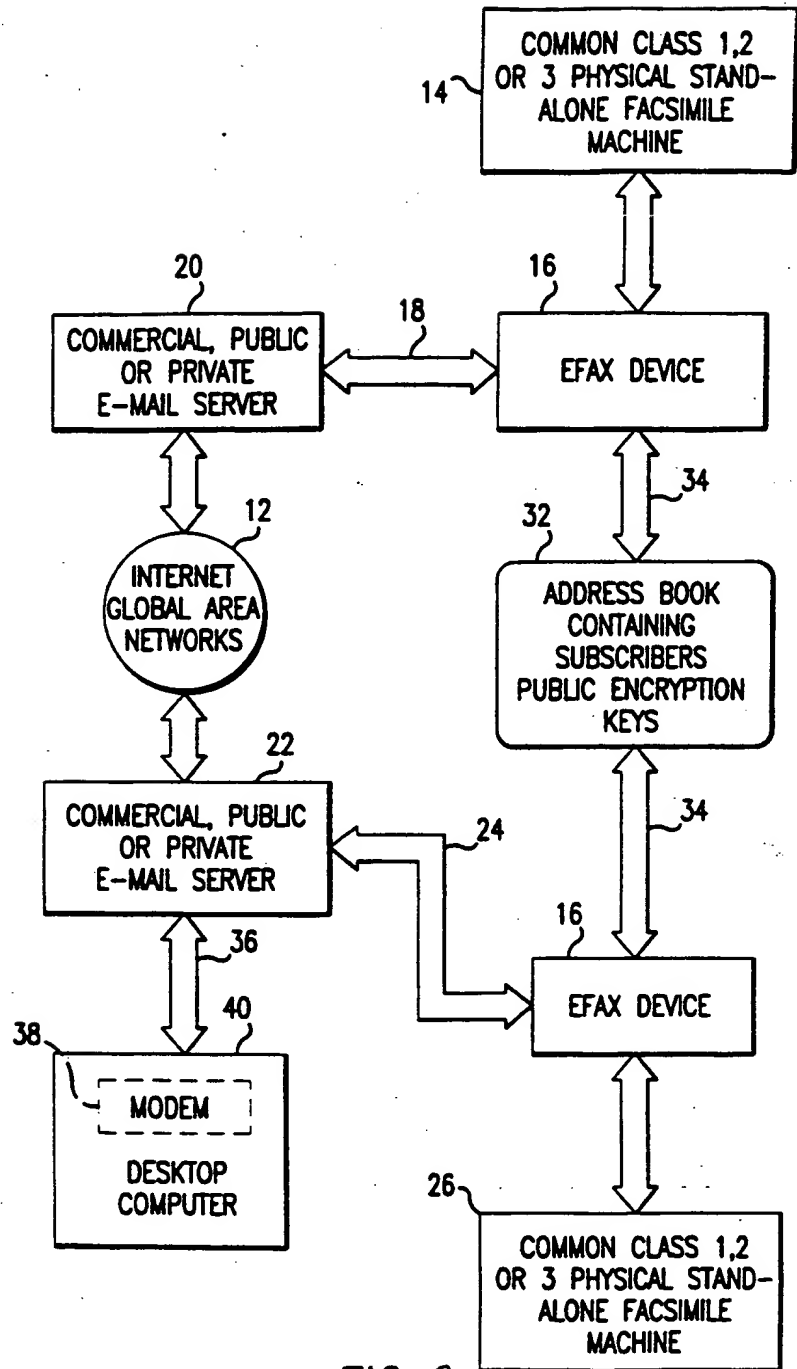


FIG. 3

09872238-061101

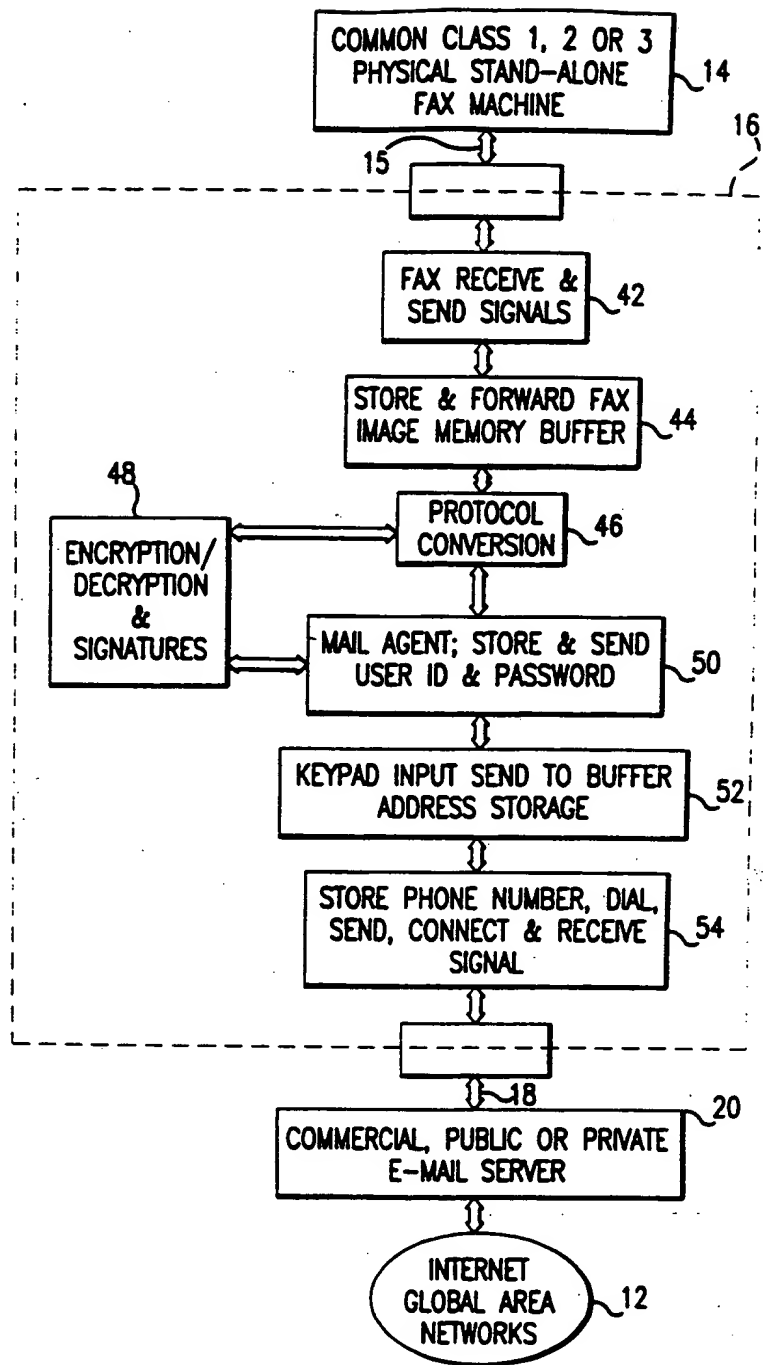


FIG. 4

09877238-061401

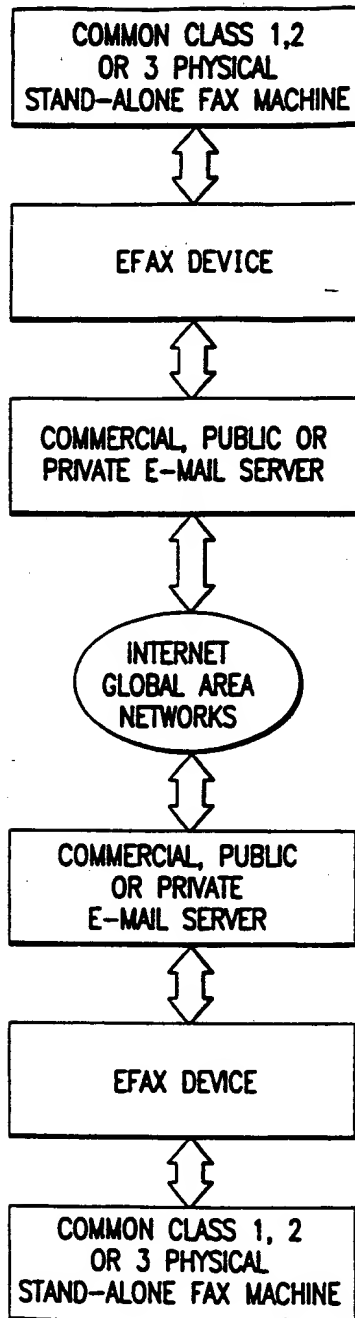


FIG. 5

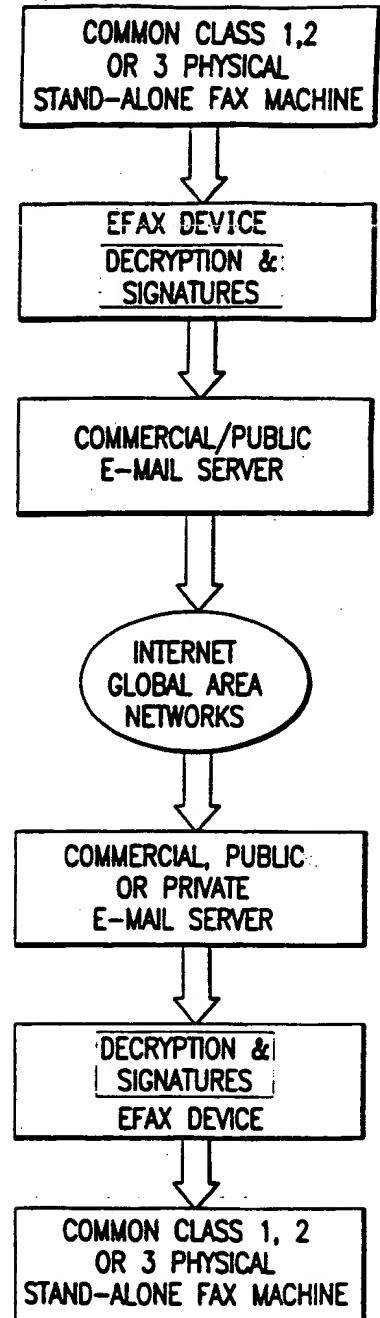


FIG. 6

09877238.061101

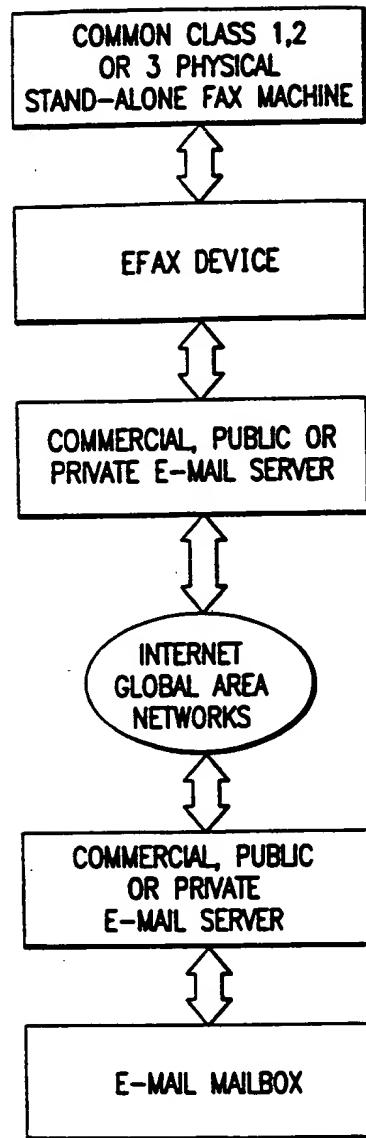


FIG. 7

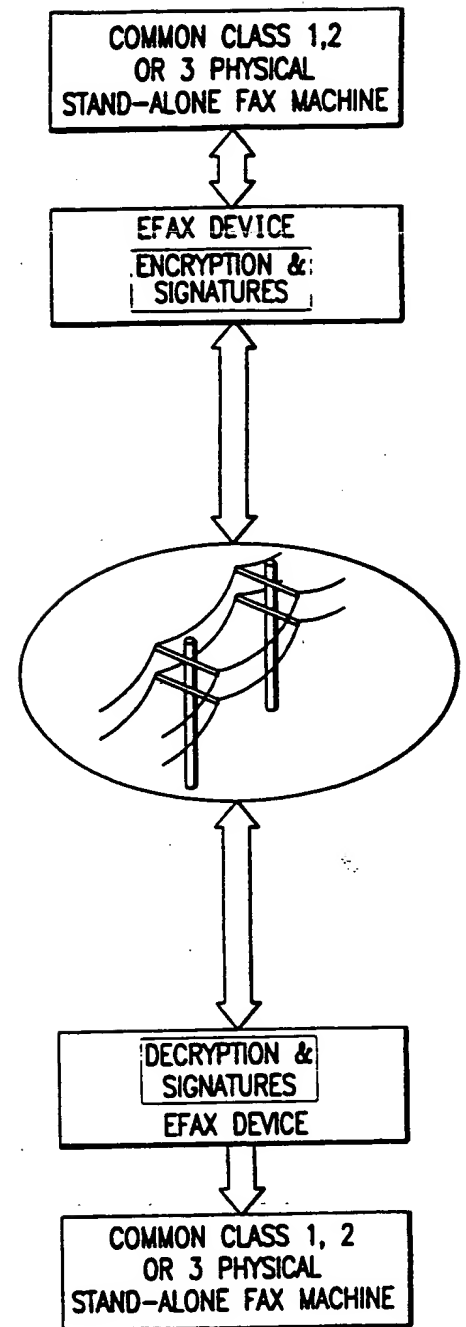


FIG. 8

TOP T90° 8E27860

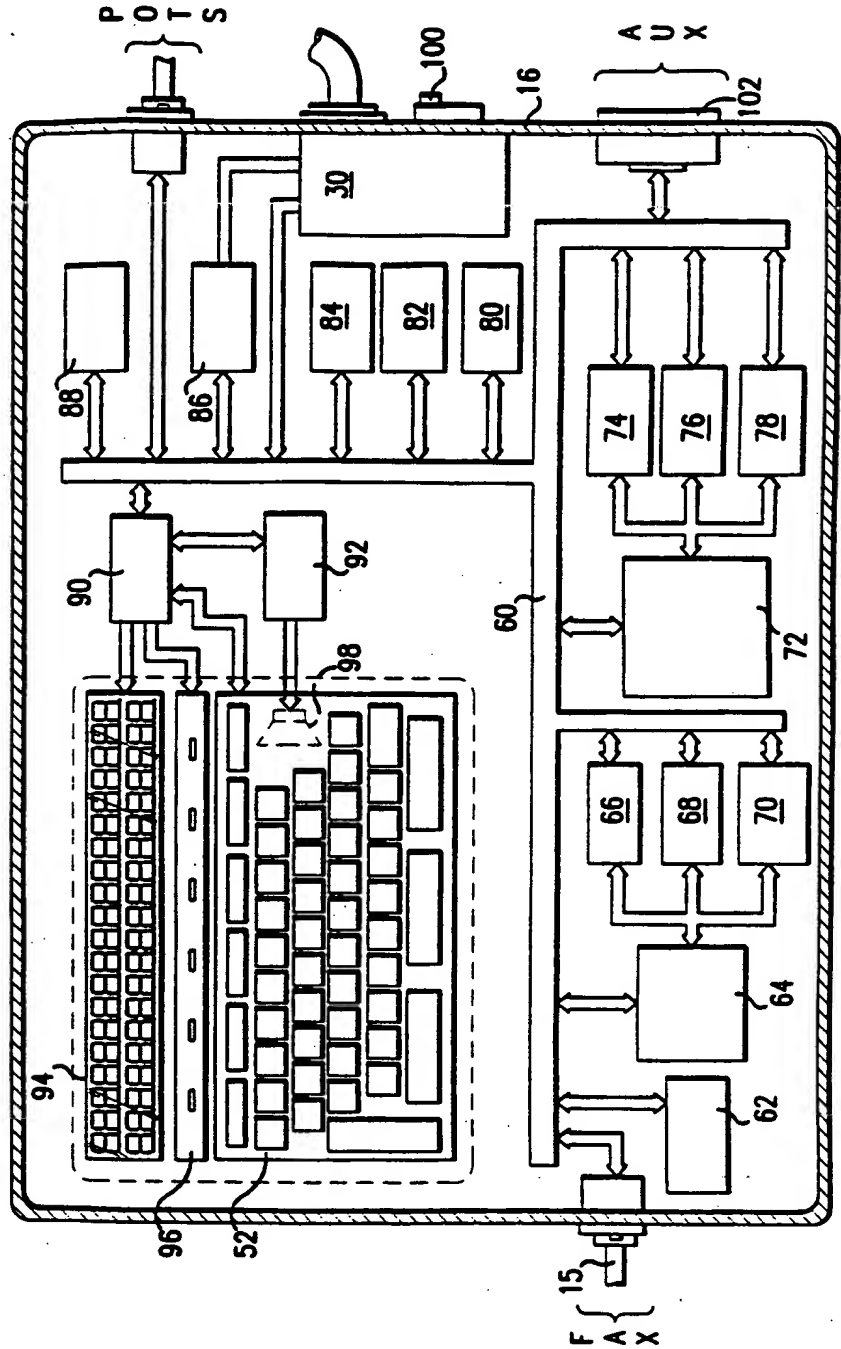


FIG. 9

T01T90° 8E242860

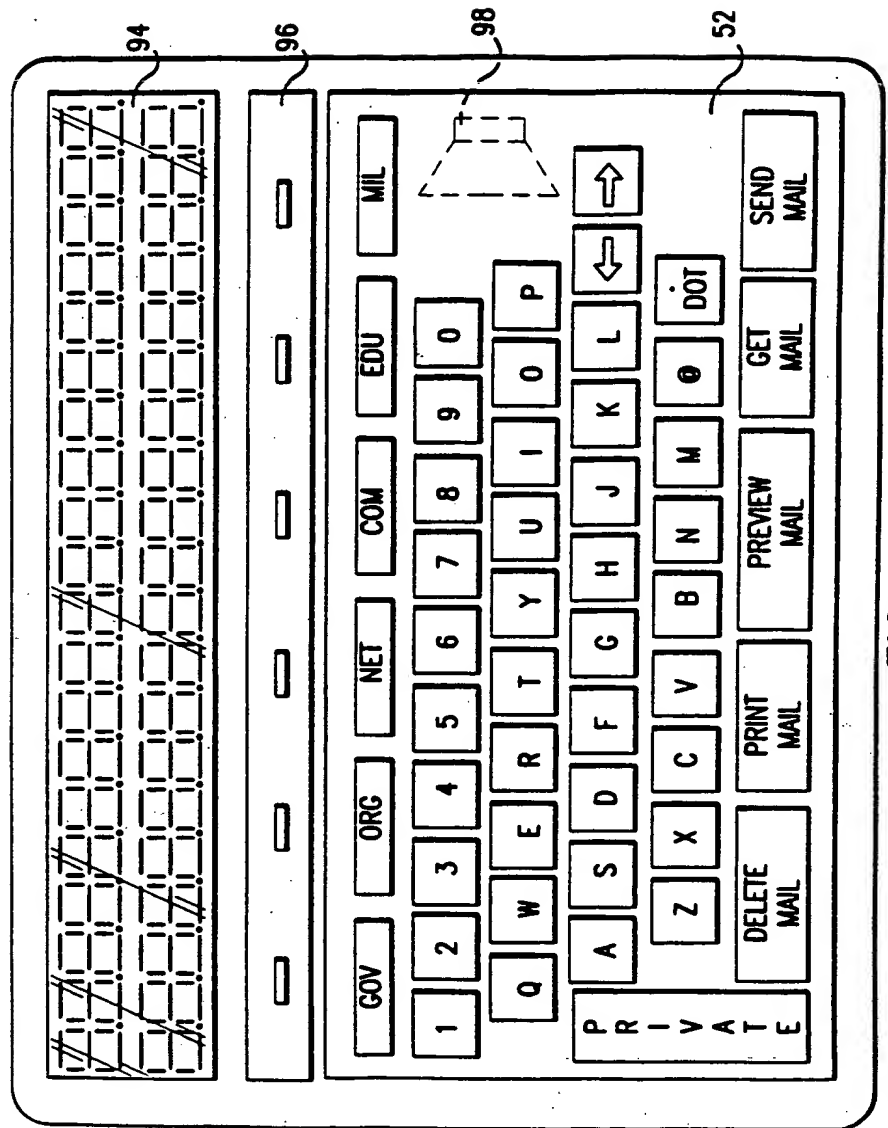


FIG. 10

T01190" 8E272860

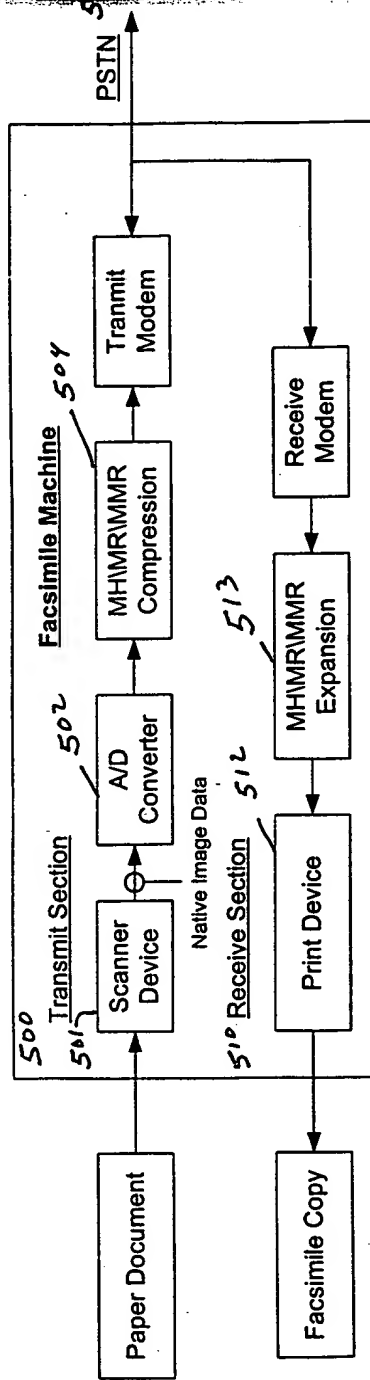
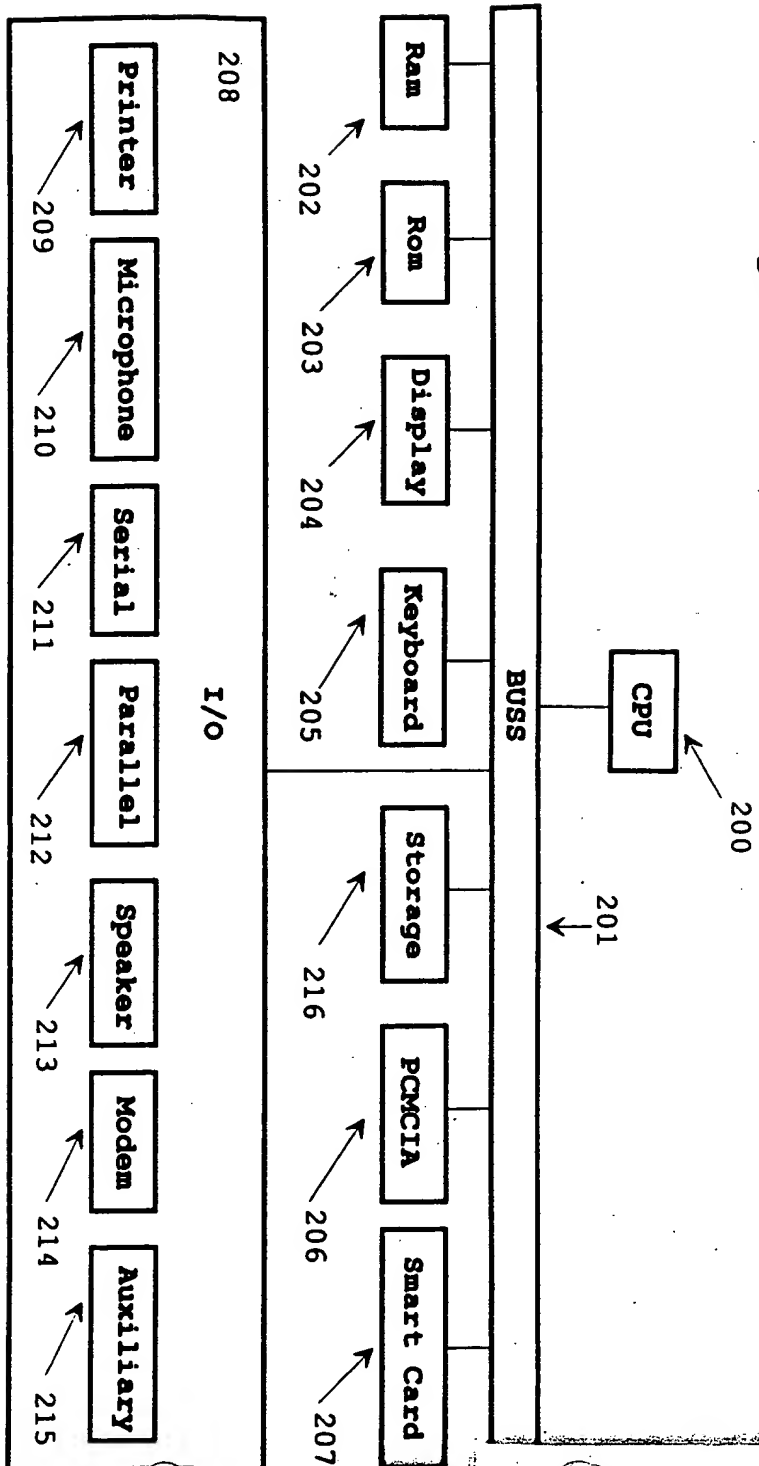


Figure 11

FIG. 190-8E24860

Figure 12



PRINT OF DRAWINGS
AS ORIGINAL
LED

Figure 13

TOT190-8224860

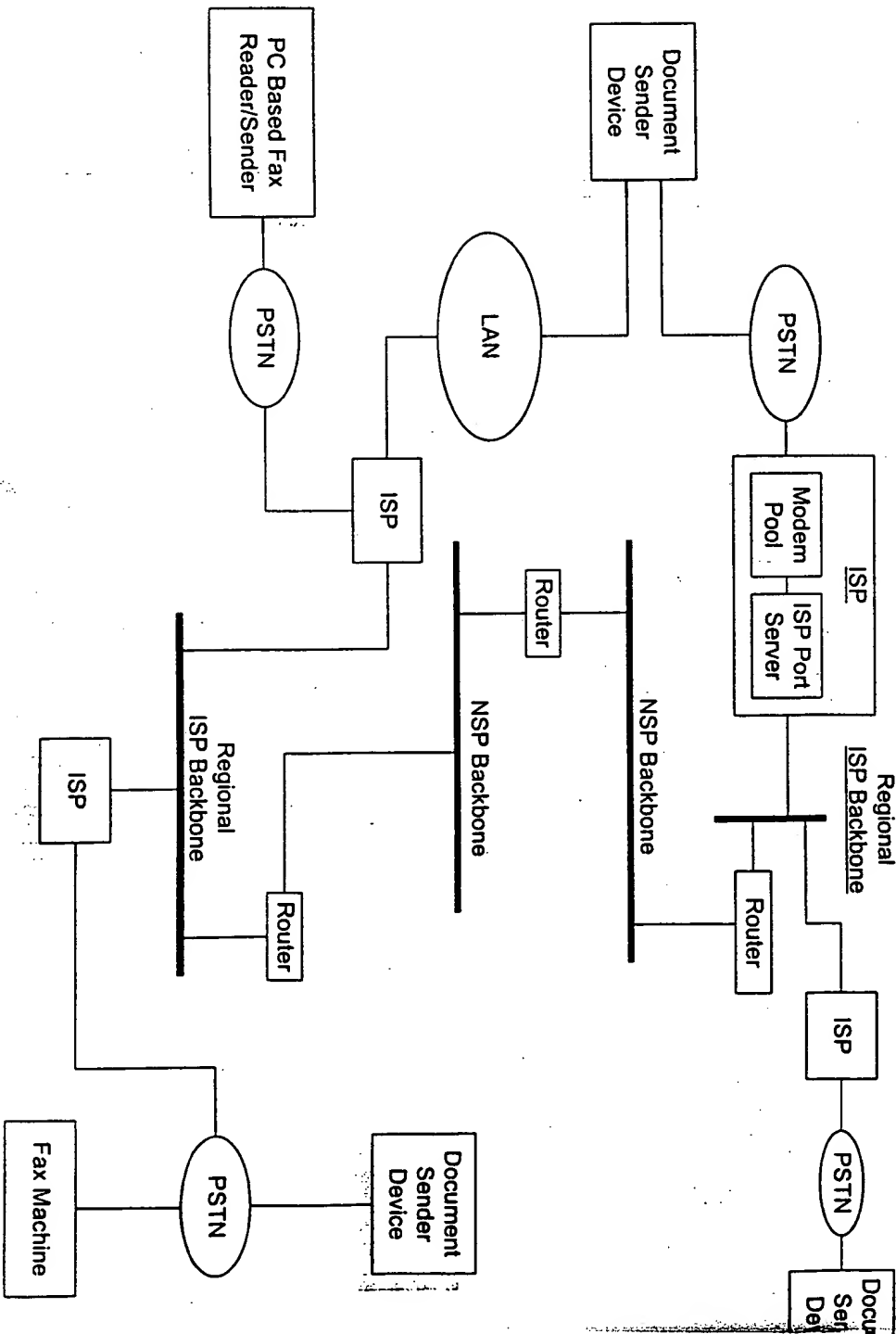
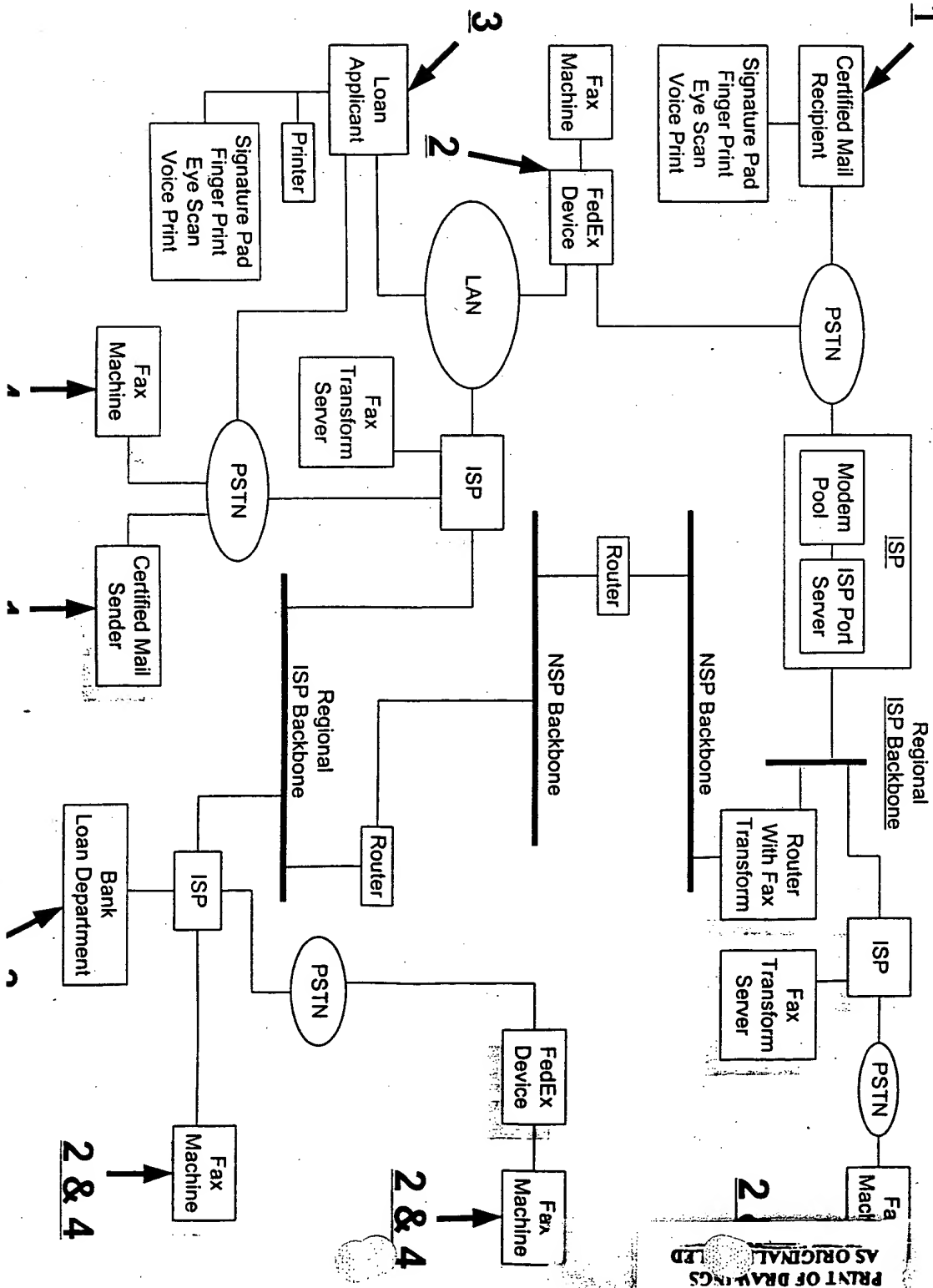


Figure 14

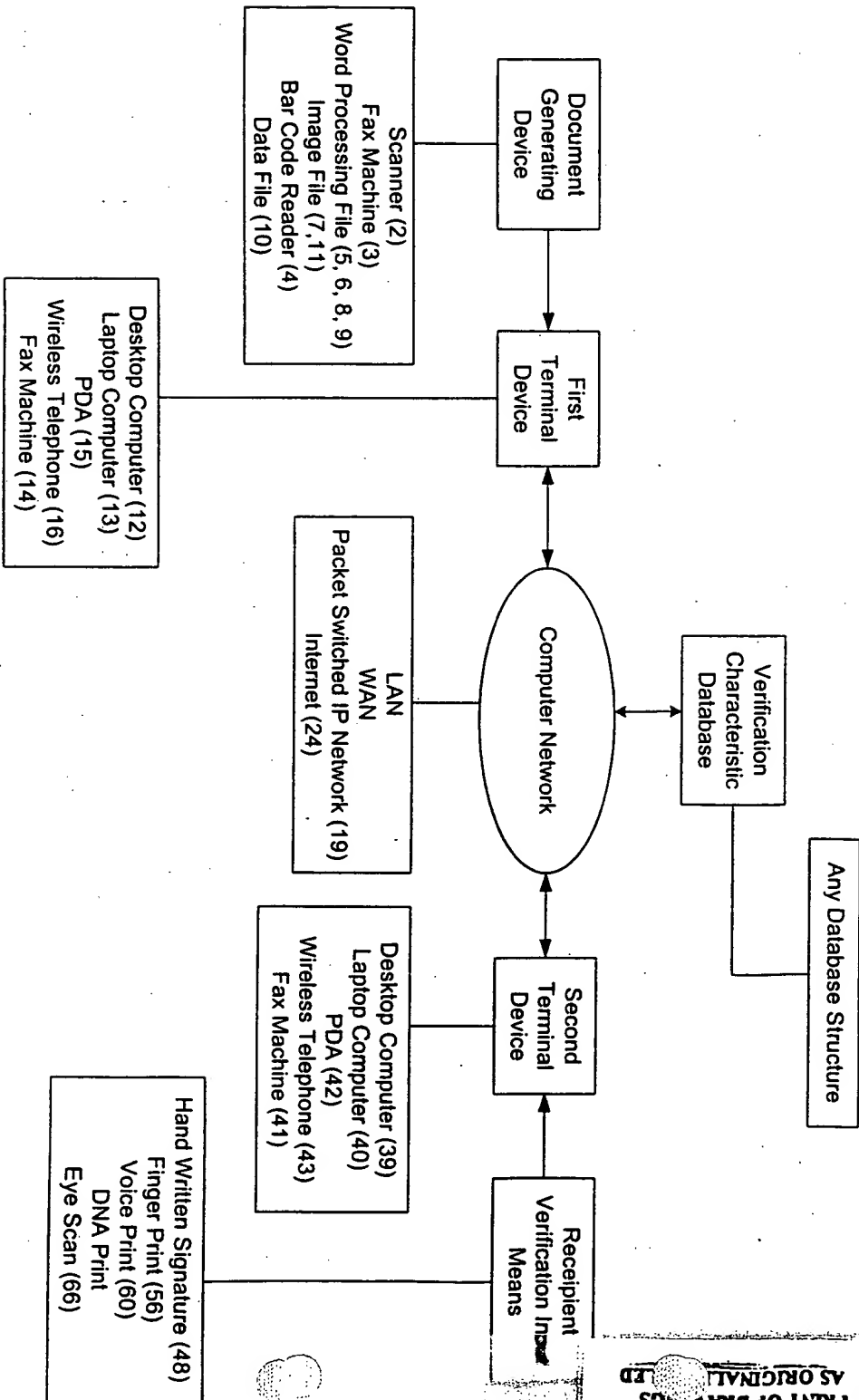
100T90-3E2/2860



PRINT OF DRAWINGS
AS ORIGINAL

TOP SECRET 8E24850

Figure 15



PRINT OF DRAWINGS
AS ORIGINAL
ED

PRINT OF DRAWINGS
AS ORIGINALLY
ED

Material Control

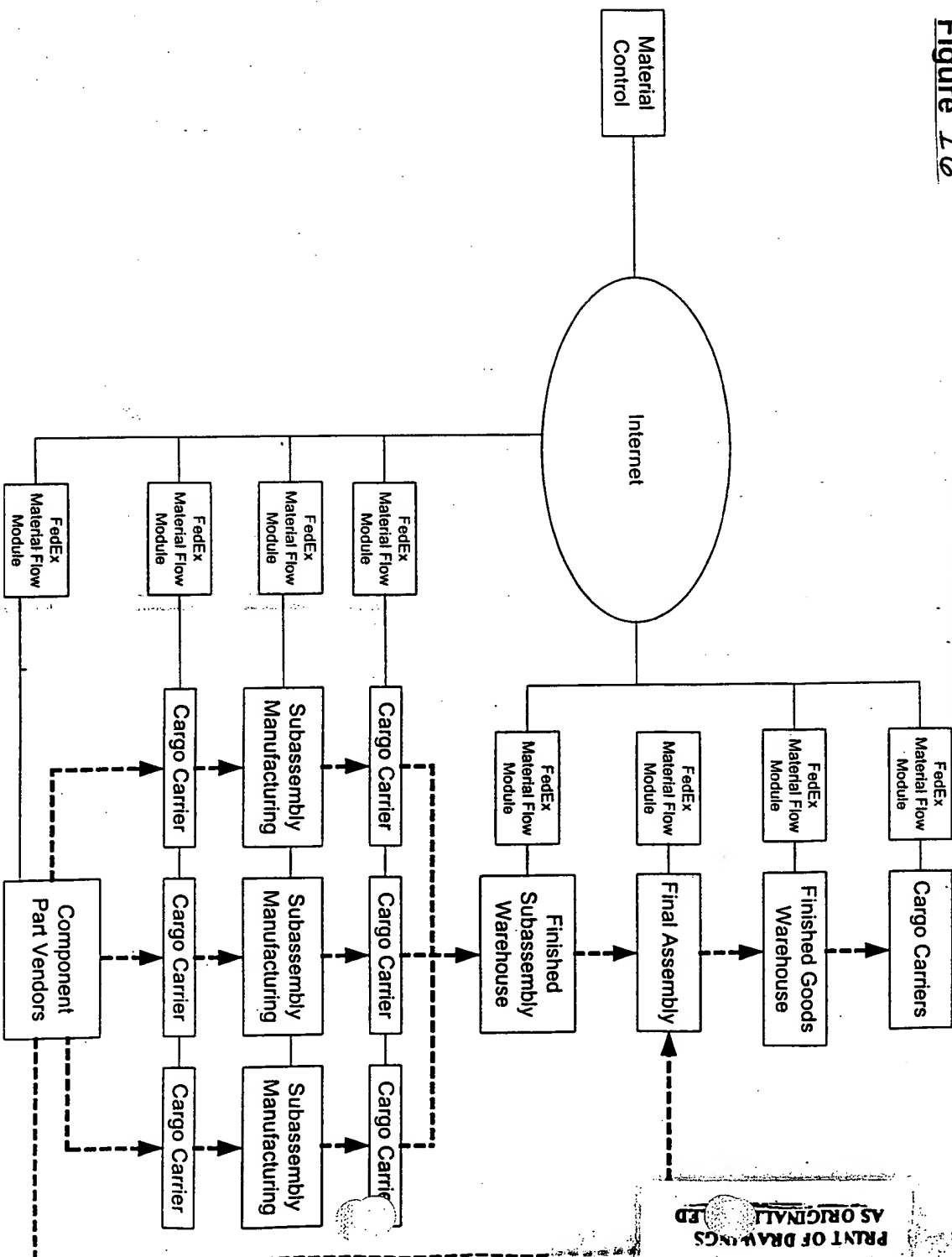
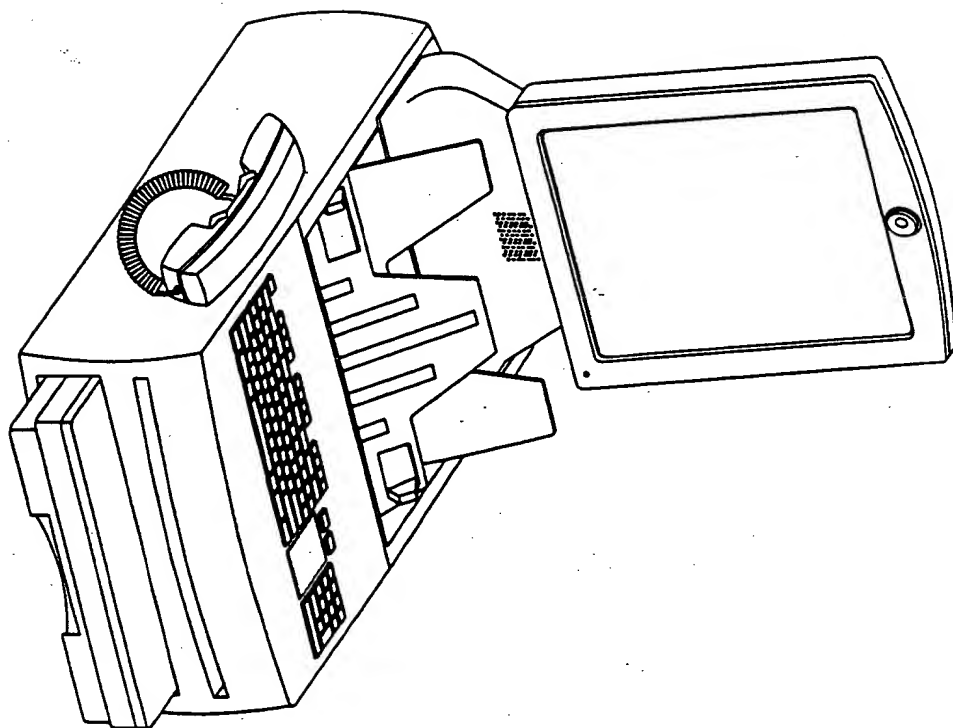


Figure 17



101190" 8E22/860

101190-8E2/2860

Back View

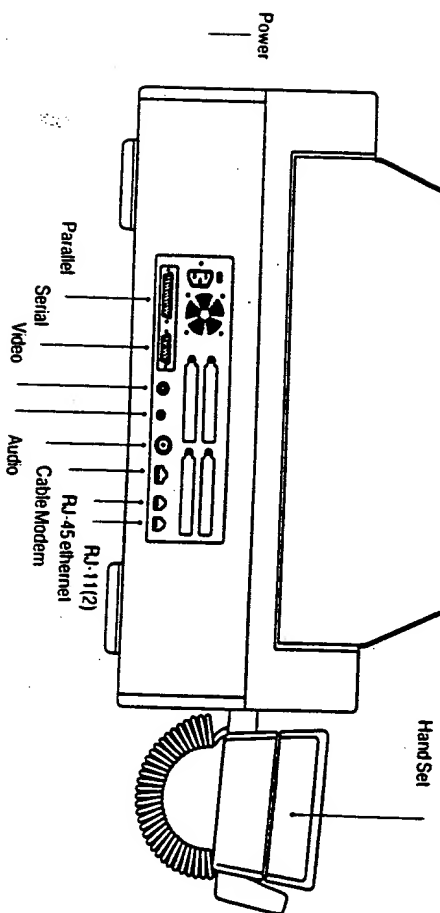


Figure 18

TOT190° 8E24860

VIDEO
CONFERENCING
CAMERA

SCREEN
CONTRAST
CONTROL

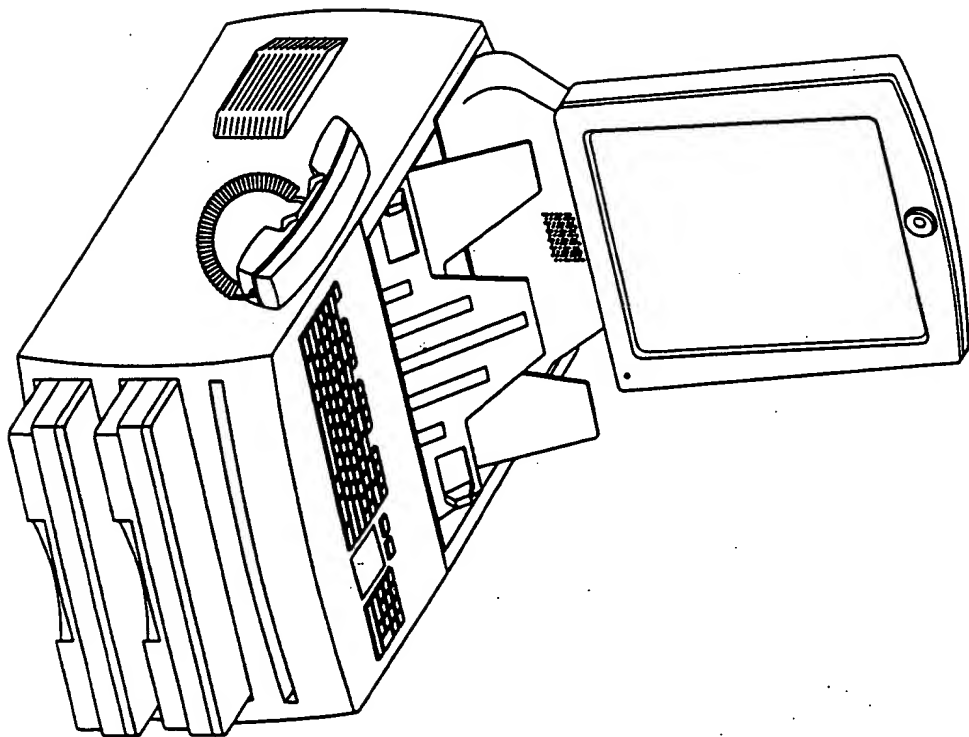
SCREEN CONNECTOR
Detachable screen with
swivel, tilt and vertical
adjustment mechanisms.

Right Side View

SmartCard

POMCIA SLOT (2)

Figure 19



TOT190-8E24860

Figure 20

090723Z06101

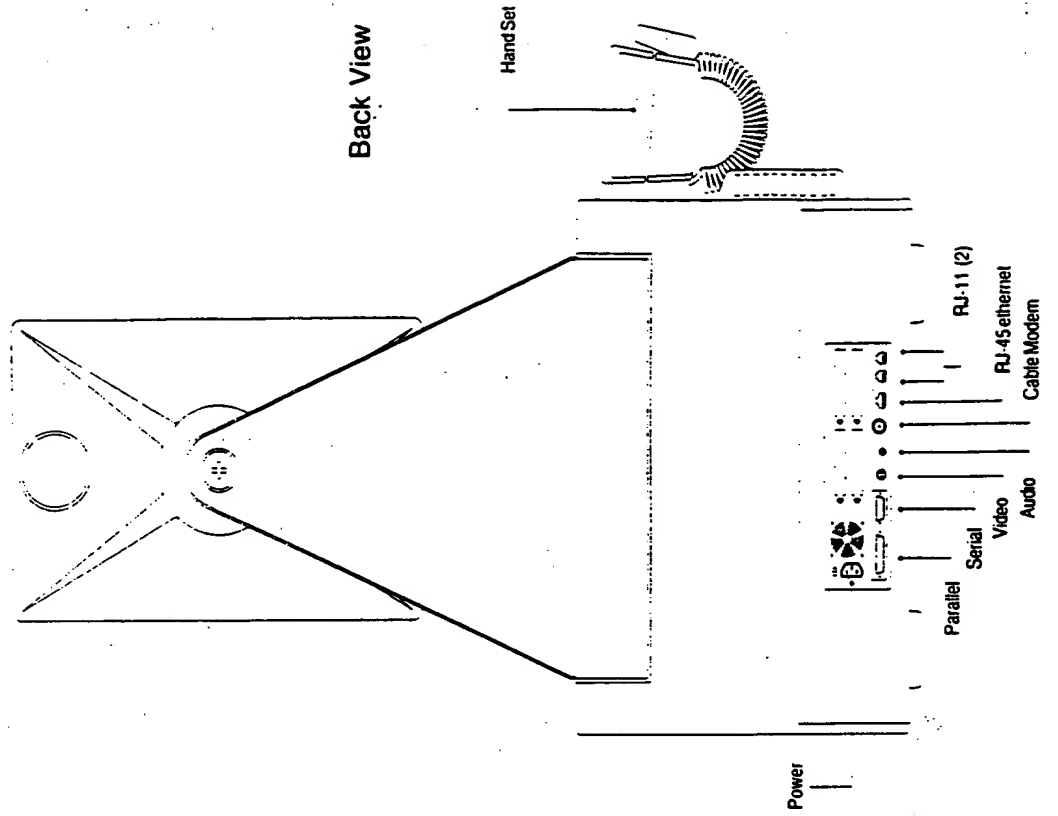


Figure 21

TOT 90" 8224850

e-Concierge'.MFD
Hardware Ports

Right Side View

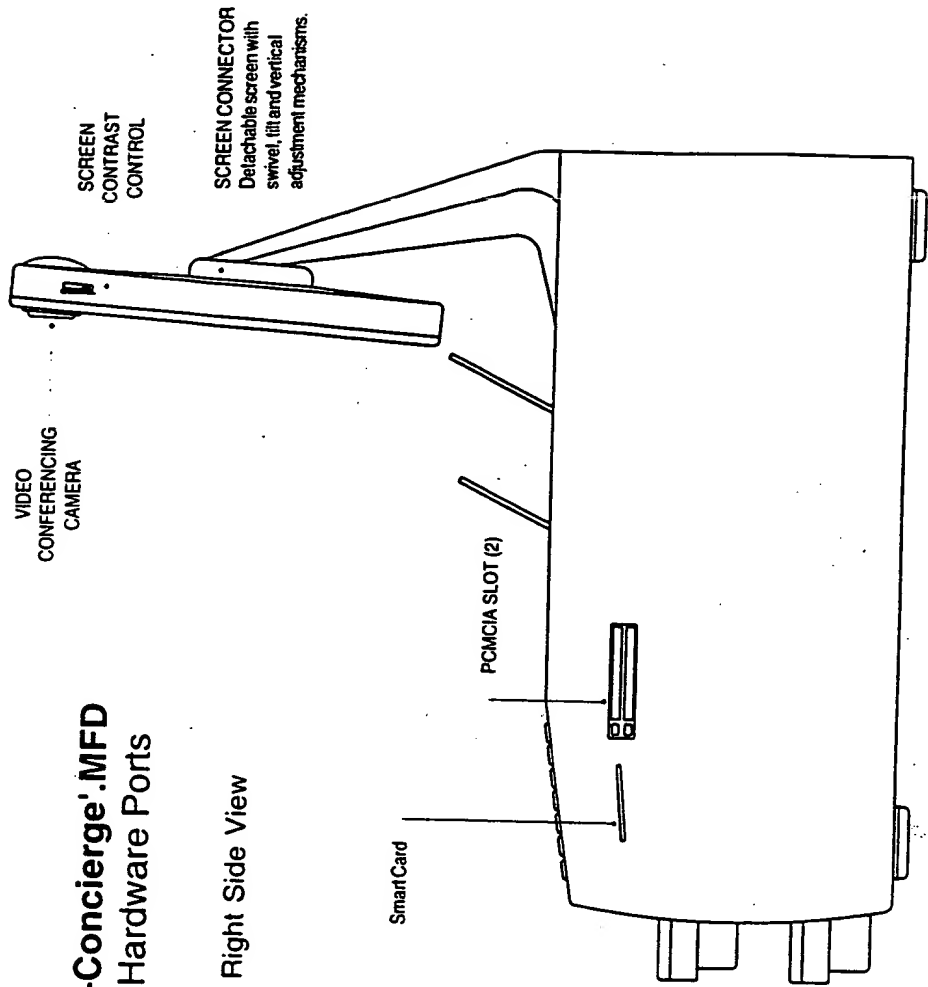


Figure 22

09877238-061101
TOT190-8227860

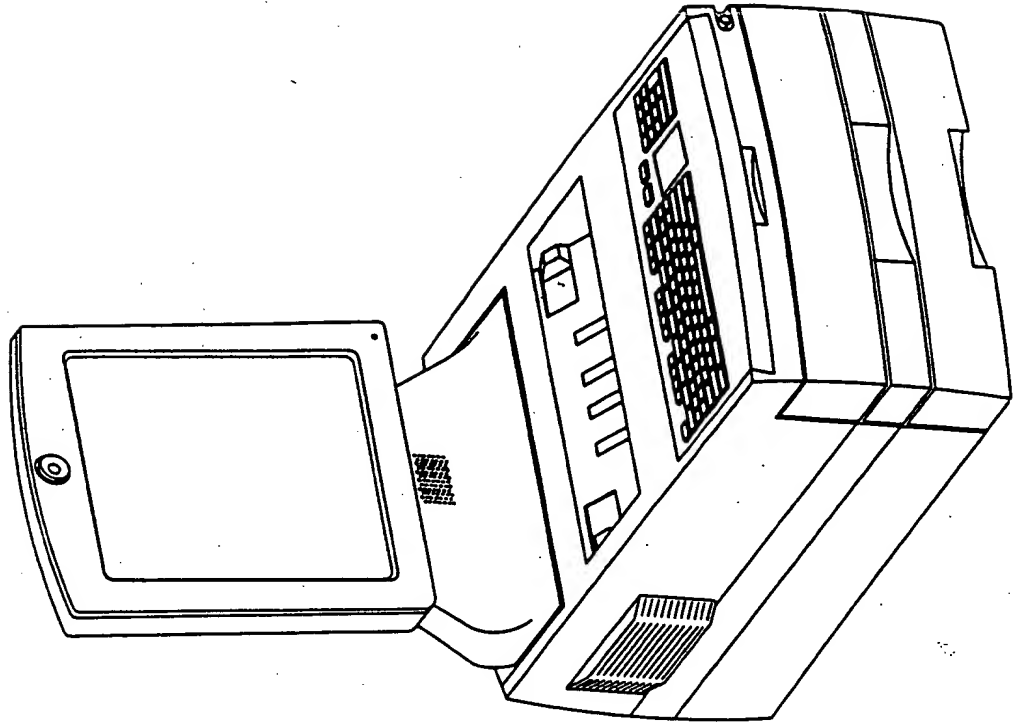


Figure 23

09877238-061101

Back View

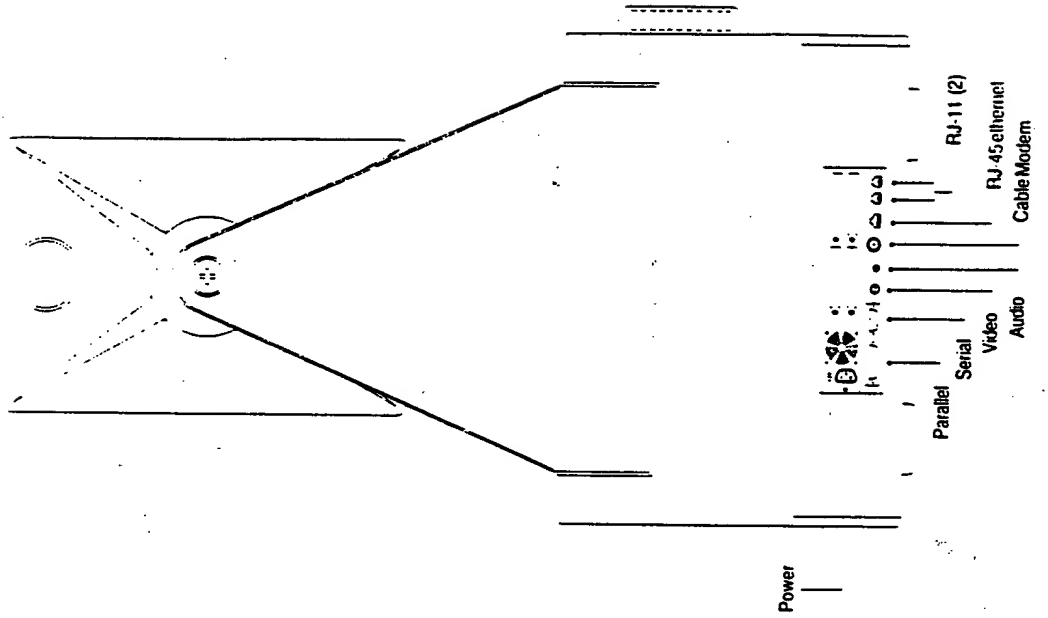


Figure 24

T01190" BE272860

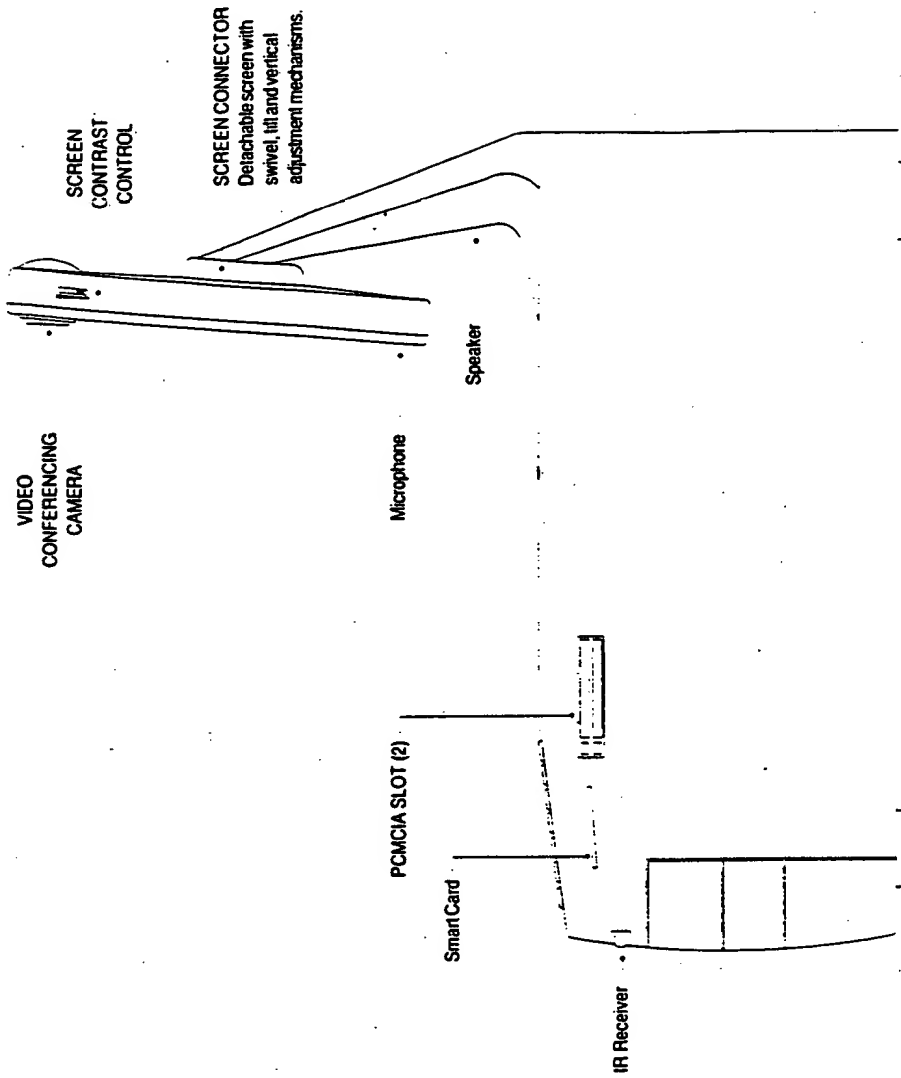


Figure 25

09877238.061101

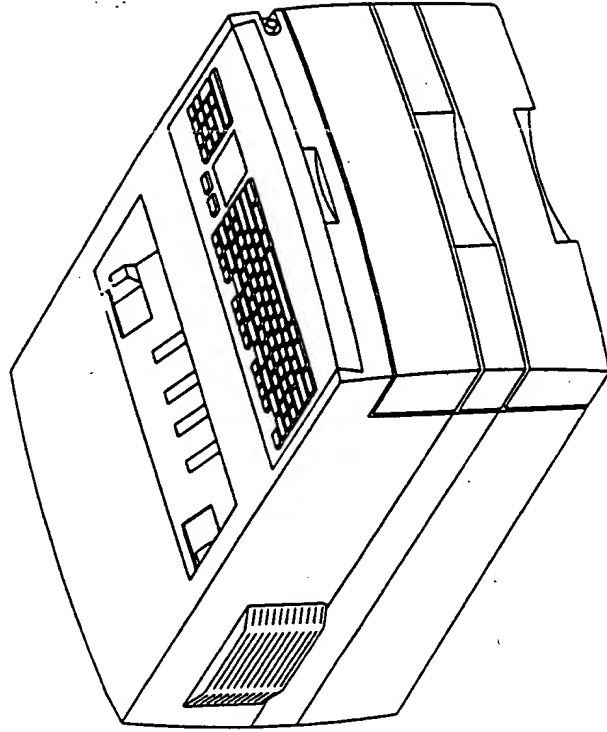


Figure 26

09877238-061101

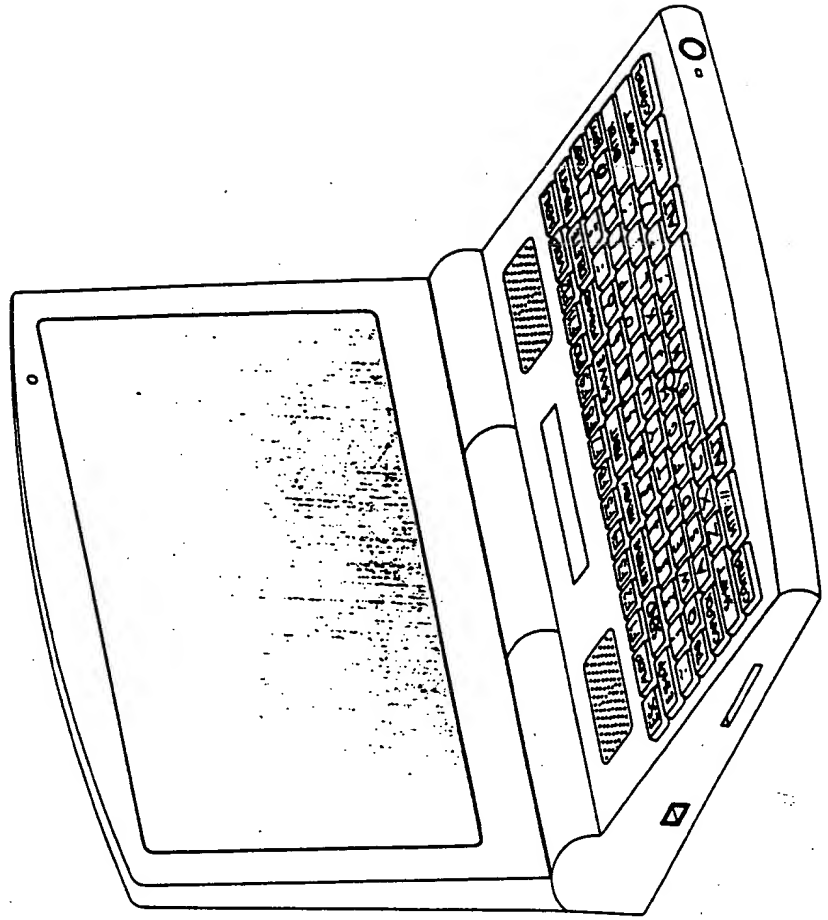
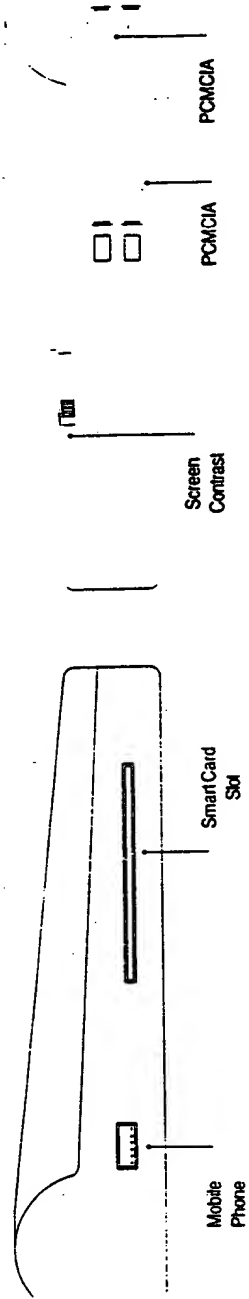


Figure 27

TOP 190" BE224860

Left Side View

Right Side View



Back View

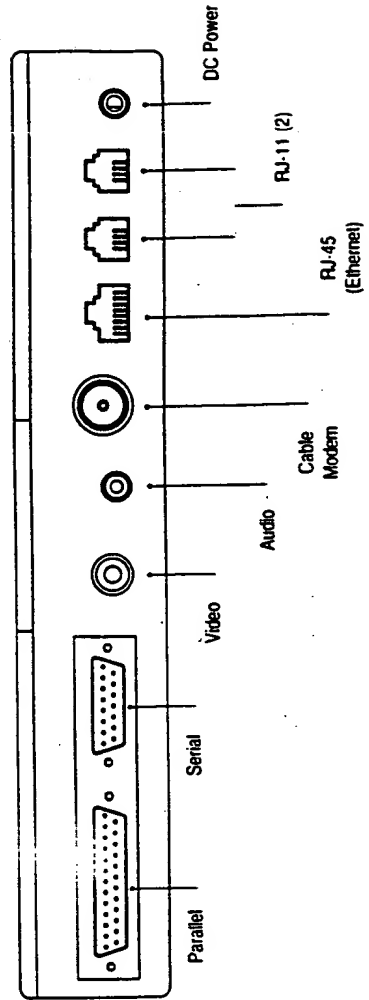


Figure 28

101190"8E27860

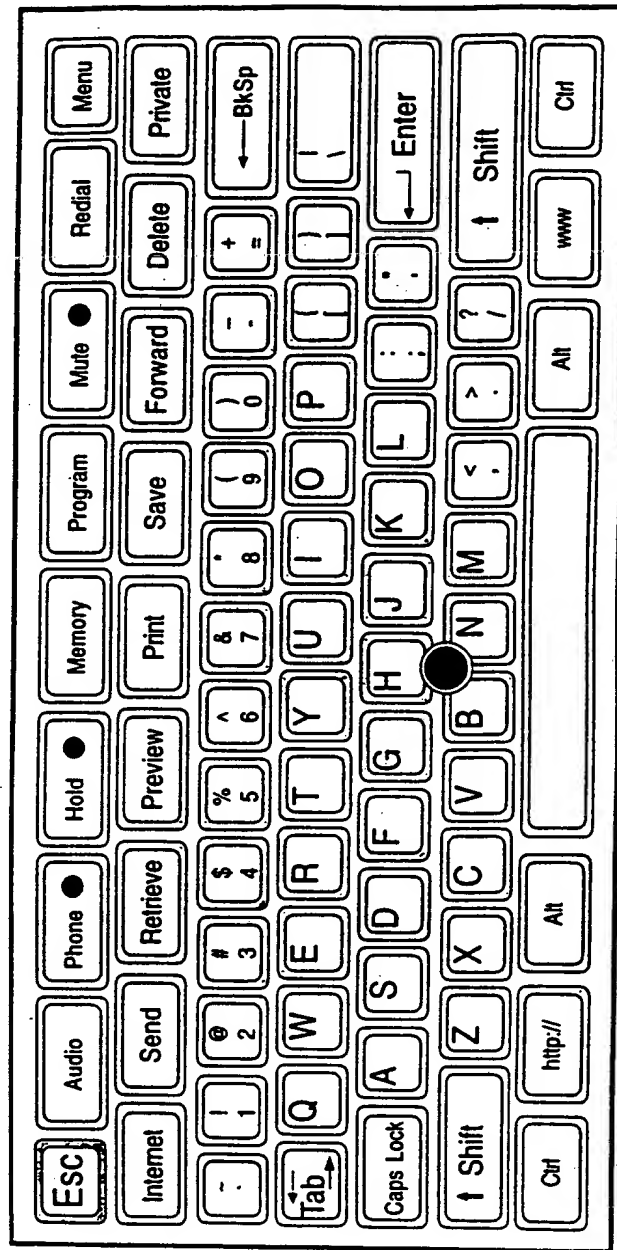


Figure 29

0087230 051101

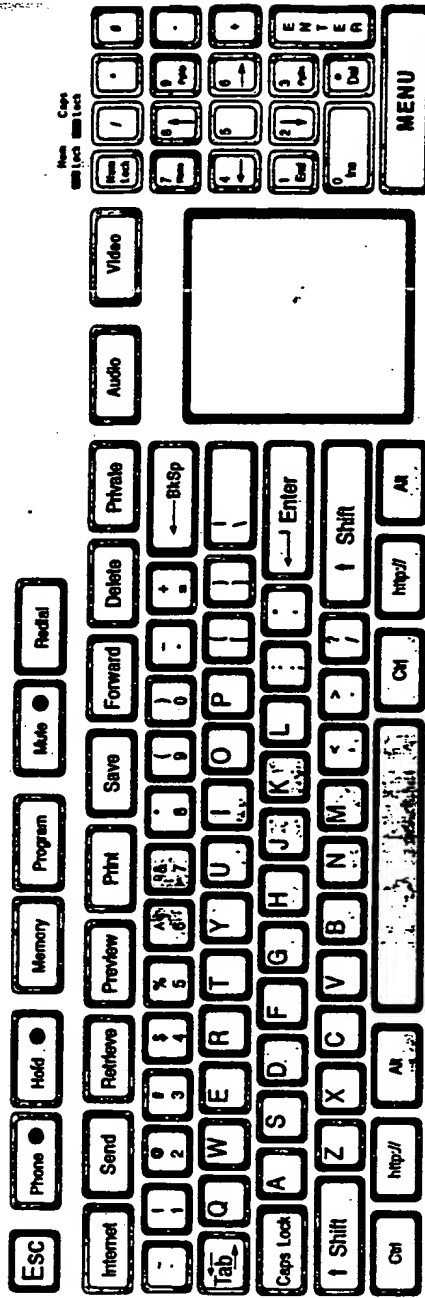
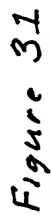


Figure 30



T01190-8E27860

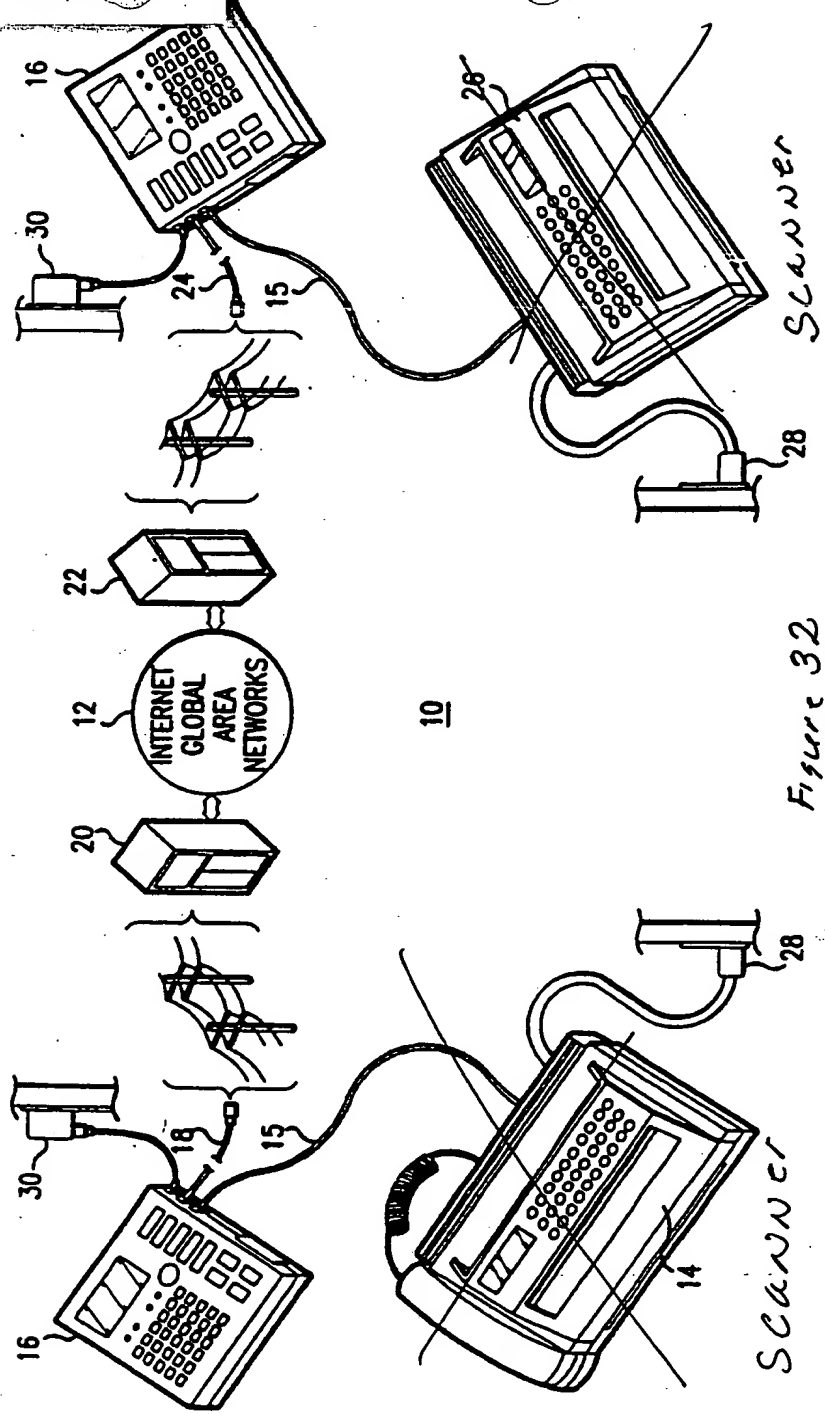


Figure 32

Integrated

T01190-8E22860

Integrated

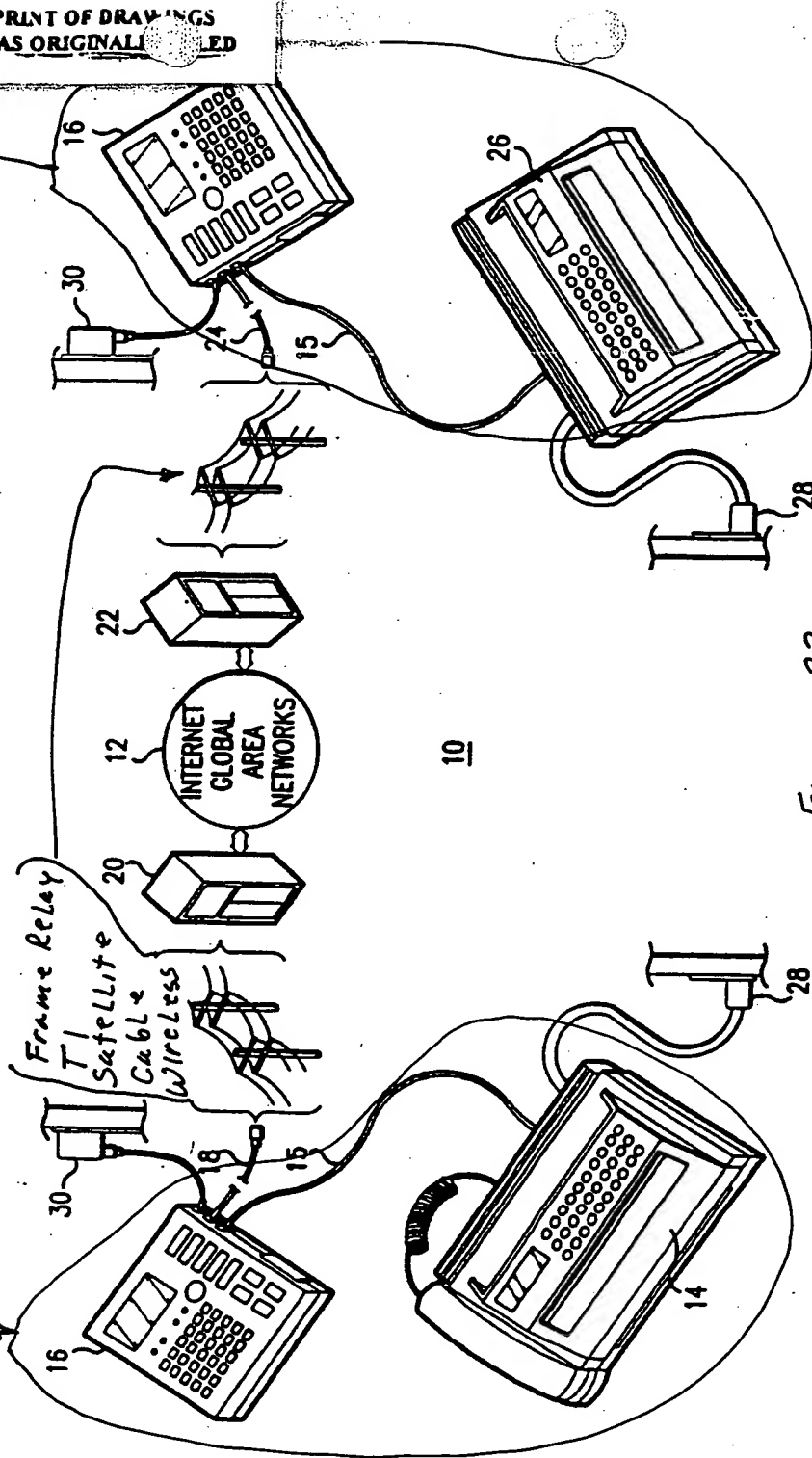
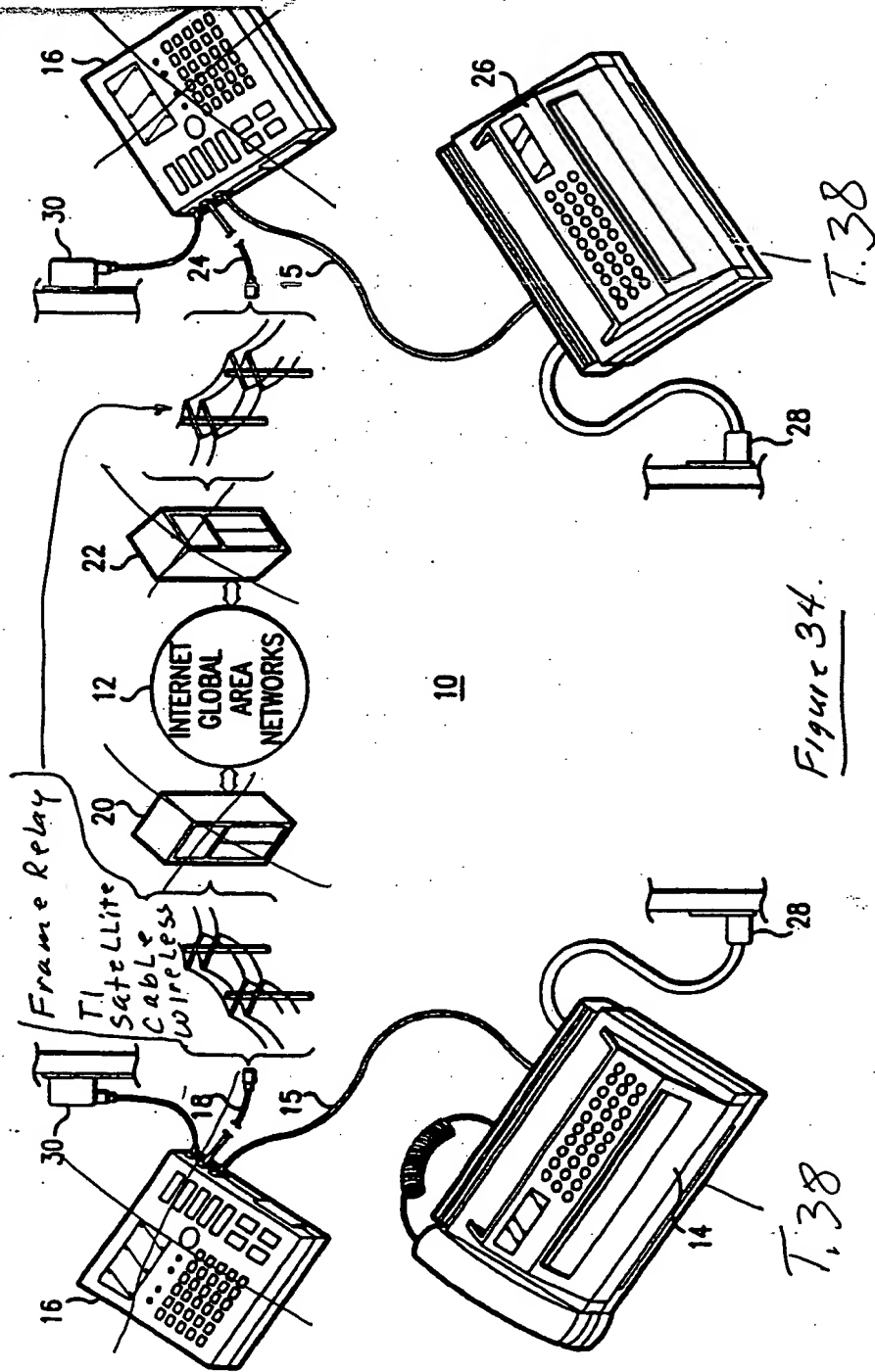


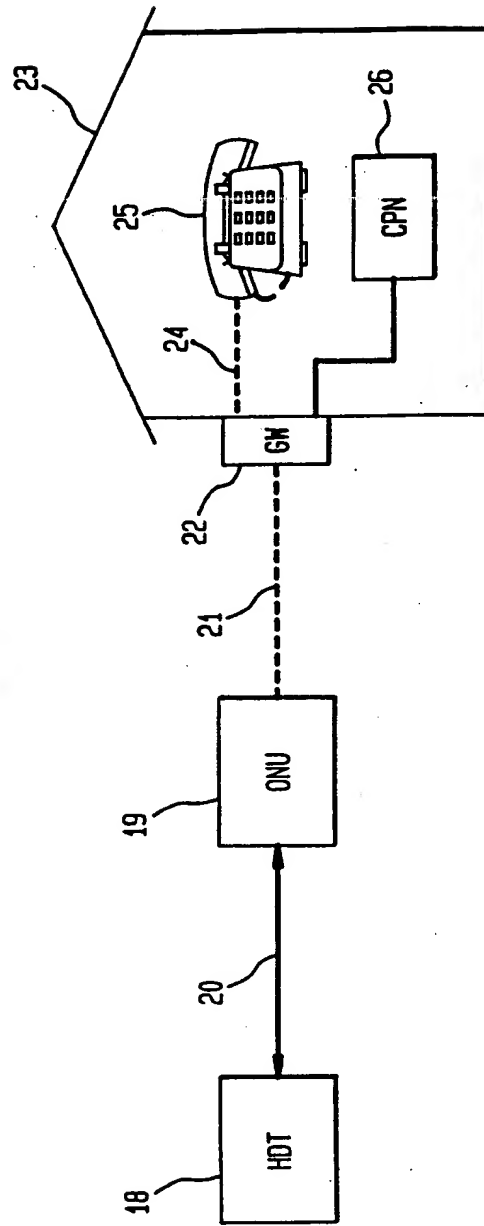
Figure 33

TOTT90-8E24860



TOT190" 8E2/860

Figure 35



TOT 190" 8E2/860

Figure 36

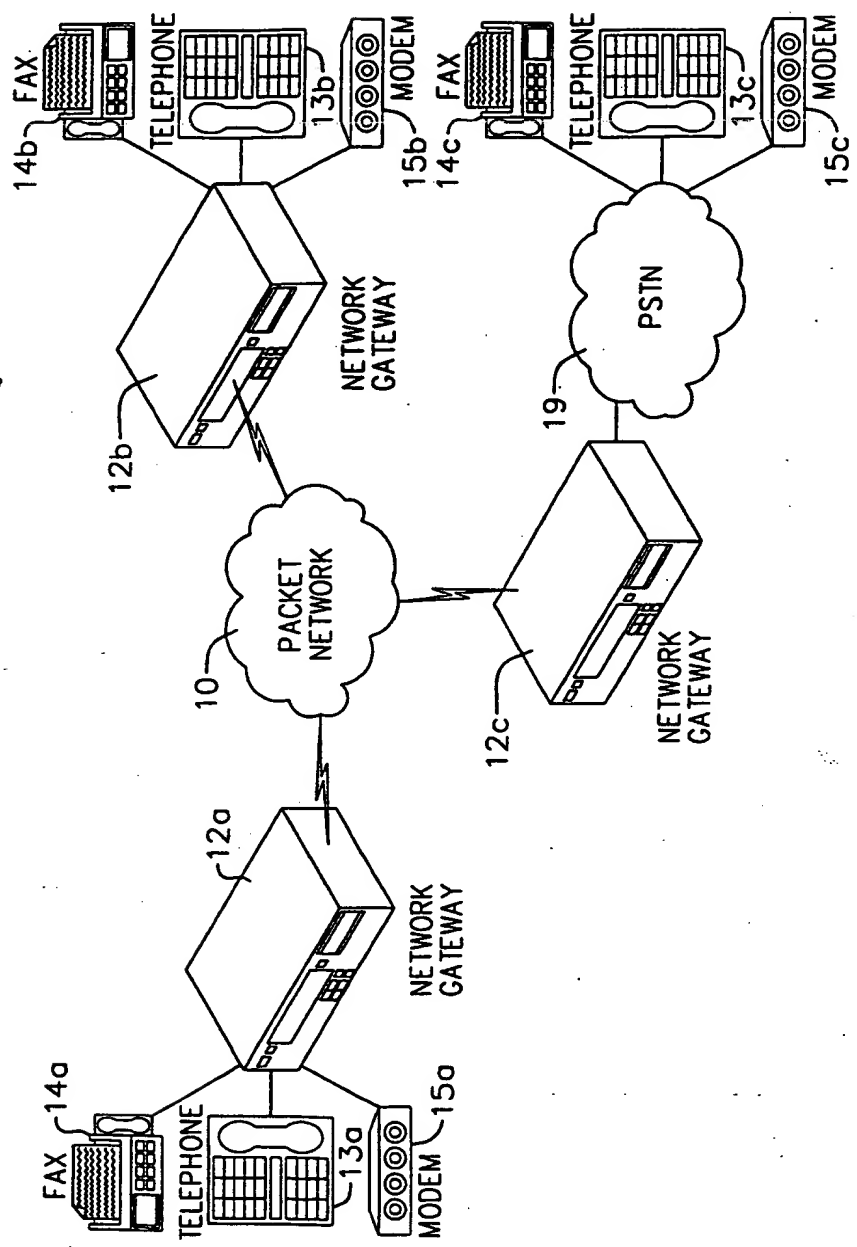


FIG. 30-822/860

Figure 37

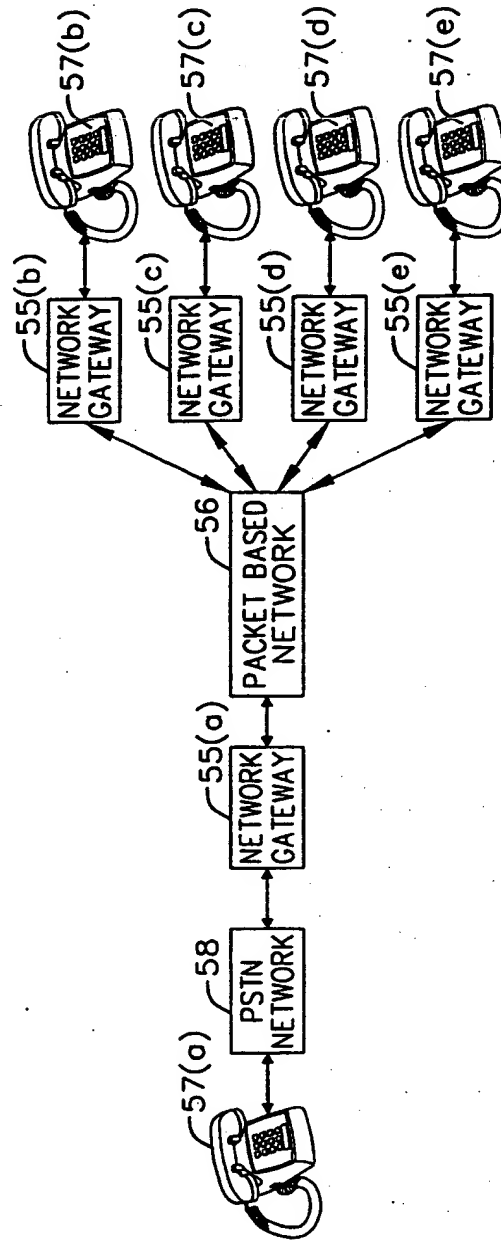


FIG. 90-8224860

Figure 38

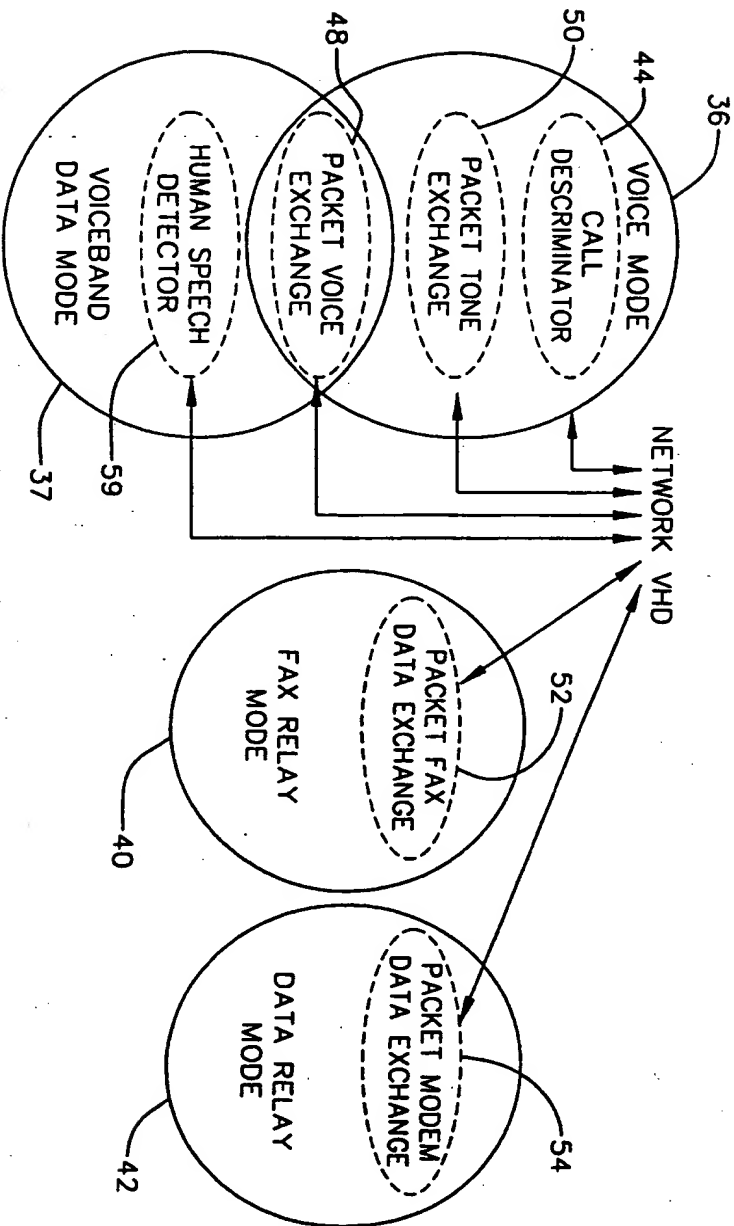


FIG. 39

Figure 39

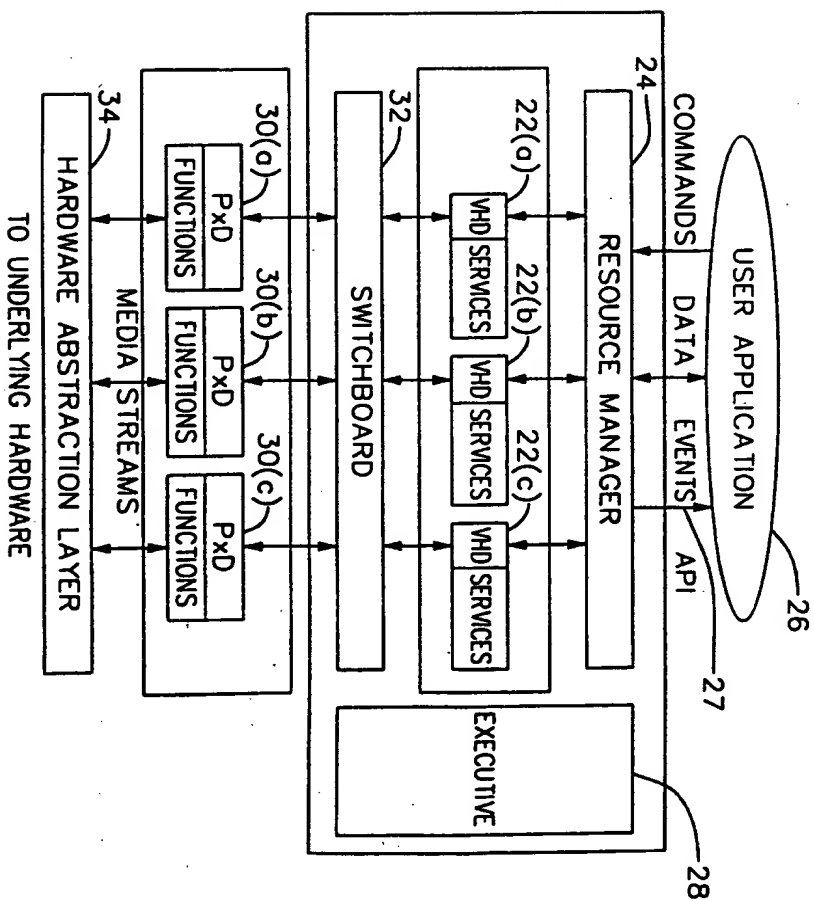
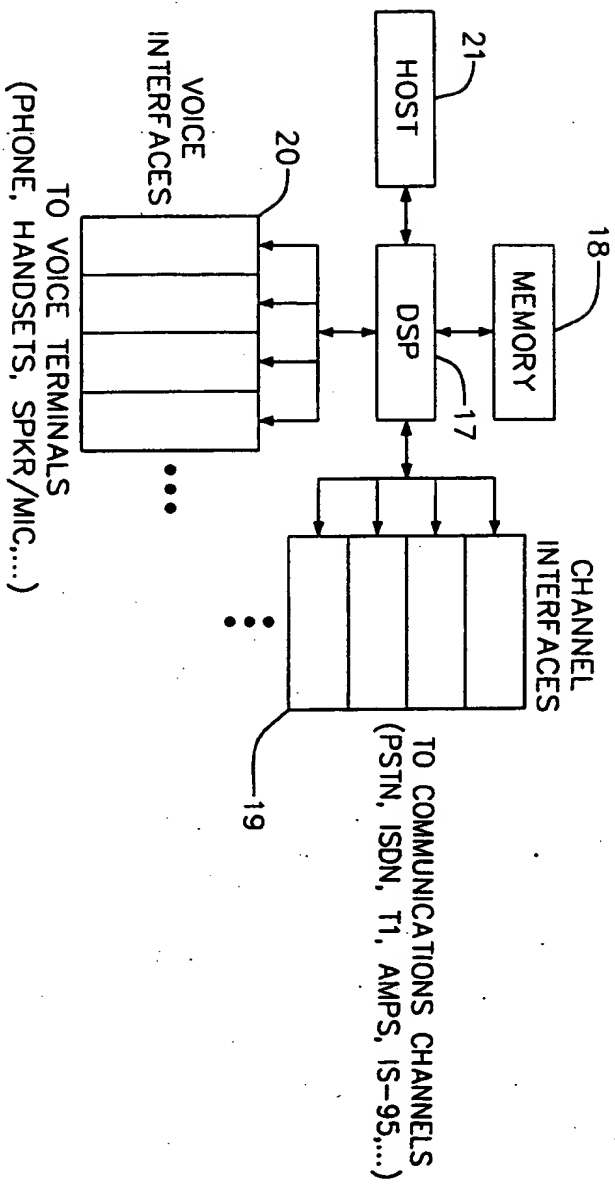


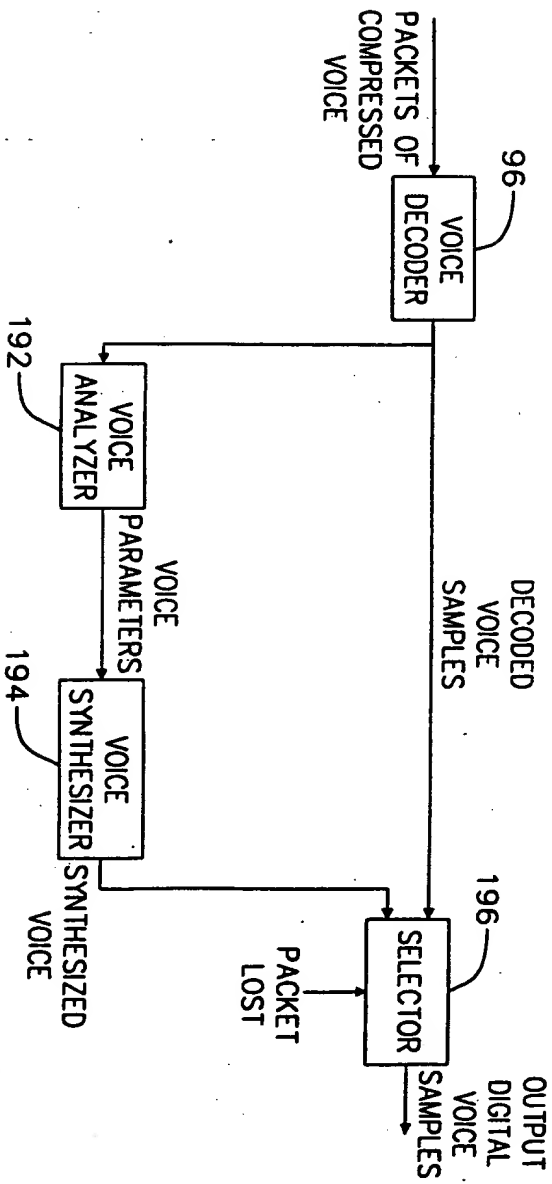
FIGURE 40

Figure 40



TOT190-8224860

Figure 41



TOPF90" 8E24860

Figure 42

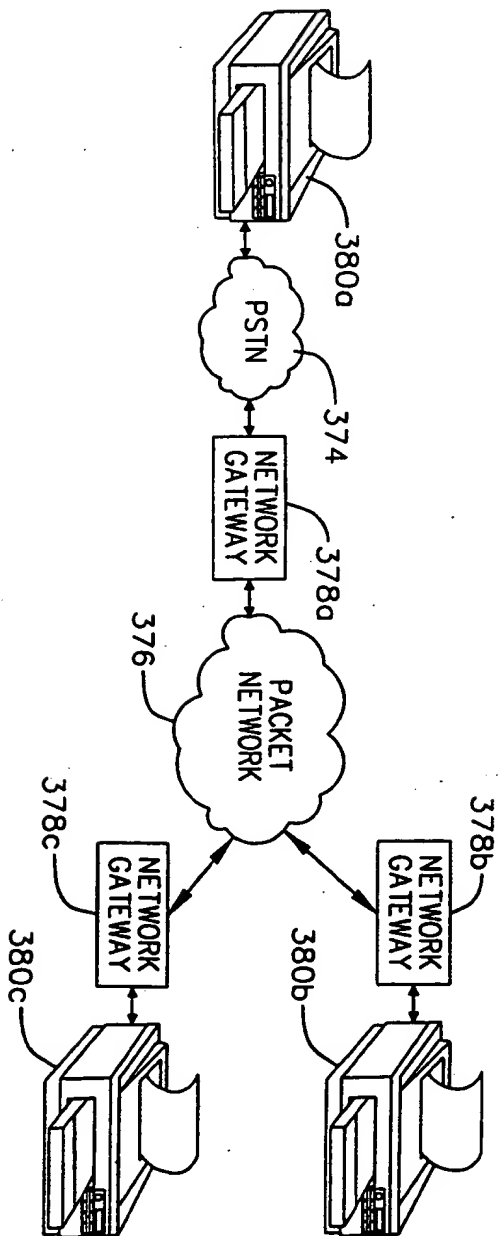
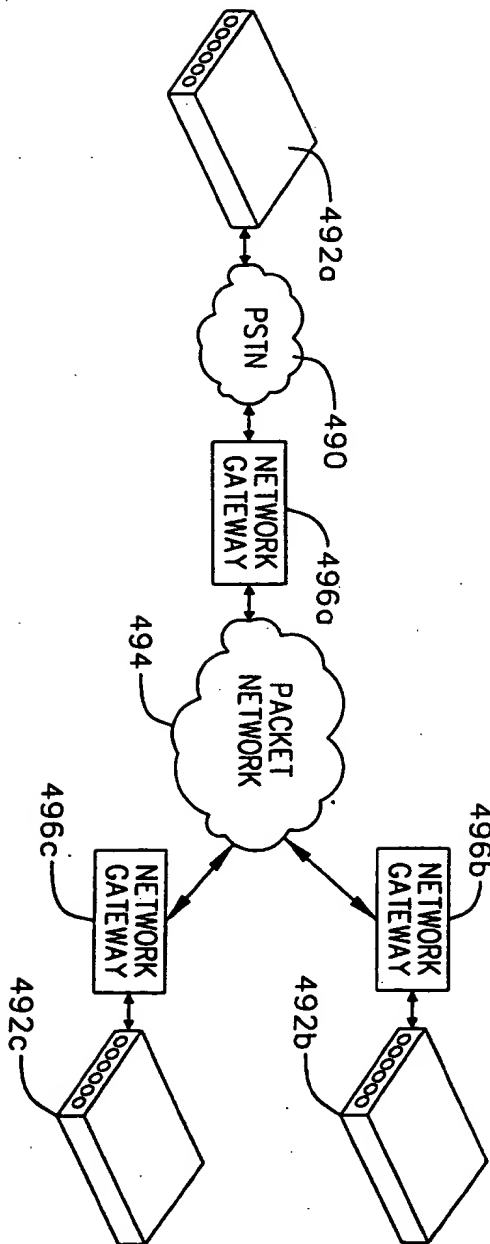


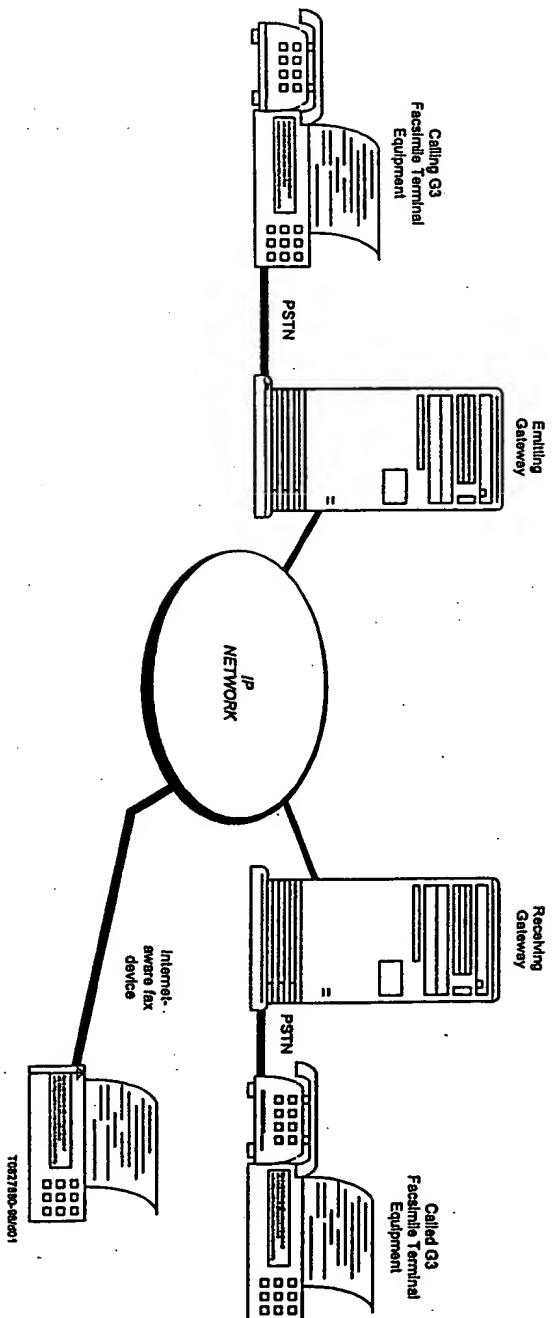
FIG. 190-822/860

Figure 43



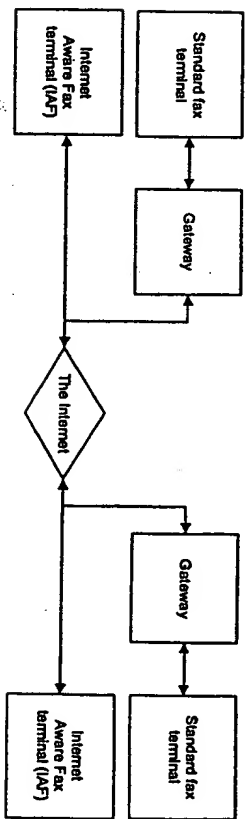
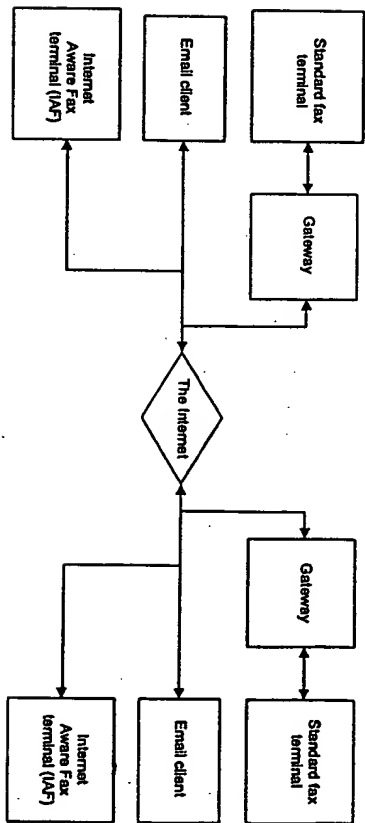
101190" 8E224860

Figure 44



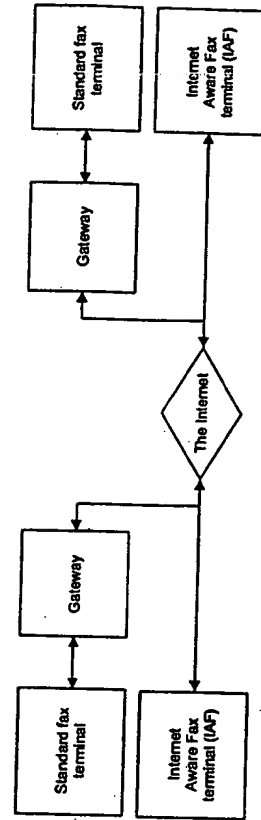
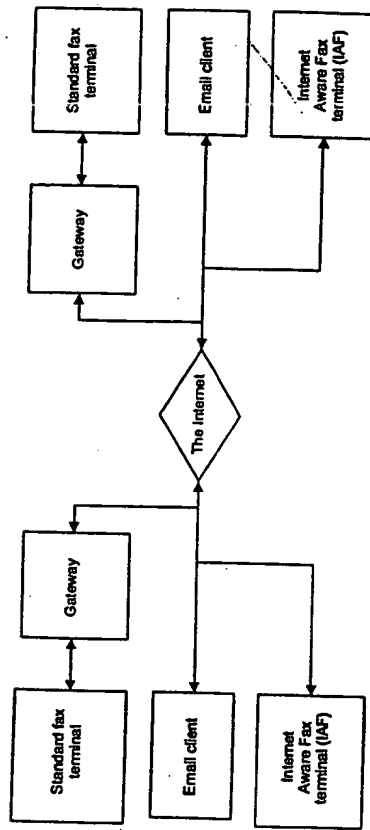
TOP 190° 3224850

Figure 45



0977231 0627790

Figure 46



09877238.061101

Figure 47

